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; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/13705
; PRIOR FILING DATE: 2000-05-17
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: PCT/US00/14941
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 12
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-053-107-12

Query Match      100.08; Score 1220; DB 9; Length 235;
Best Local Similarity 100.08; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MOORGAAGRCALPFLGCVLFQGVYIVFSLERADAHVRGVGCKIKLKCTFKSTSDV 60
    |||||||
Db 1 MOORGAAGRCALPFLGCVLFQGVYIVFSLERADAHVRGVGCKIKLKCTFKSTSDV 60
    |||||||

Oy 61 TDKLTIDWTRPSSSHYTSVIFHYQSFOYPTTAGTFRDRISWGVNYKGDASISISNPT 120
    |||||||
Db 61 TDKLTIDWTRPSSSHYTSVIFHYQSFOYPTTAGTFRDRISWGVNYKGDASISISNPT 120
    |||||||

Oy 121 KDNGTFSCAVKNPPDVHNNIPMTLTVTGERGFTMLSSVALLSILVFPVSAVVALLVR 180
    |||||||
Db 121 KDNGTFSCAVKNPPDVHNNIPMTLTVTGERGFTMLSSVALLSILVFPVSAVVALLVR 180
    |||||||

Oy 181 MGRKAAGLKKRSRSGYKKSISIEVSDDTDOEEECAMRLCVRCAECLDSYEET 235
    |||||||
181 MGRKAAGLKKRSRSGYKKSISIEVSDDTDOEEECAMRLCVRCAECLDSYEET 235
    |||||||

RESULT 2
US-10-227-884-238
; Sequence 238, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-03-25
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 2002-04-09
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; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
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; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
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; PRIOR APPLICATION NUMBER: 60/101786
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; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
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; PRIOR FILING DATE: 1999-01-12
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; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291

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; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
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; PRIOR FILING DATE: 1999-06-22
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; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
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; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MOORGAAGSRGCAFLPGLLVLFQGVYIVFSLEIRADAHVRYGVEKIKLKCTFKSTSDV 60
|||||
Db 1 MOORGAAGSRGCAFLPGLLVLFQGVYIVFSLEIRADAHVRYGVEKIKLKCTFKSTSDV 60
Oy 61 TDKLTIDWTYRPPSSSHTVSIFHYQSFQYPTTACTFRDRISWGNVYKGDASISISNPTI 120
|||||
Db 61 TDKLTIDWTYRPPSSSHTVSIFHYQSFQYPTTACTFRDRISWGNVYKGDASISISNPTI 120
Oy 121 KDNCTFSCAVKNPPDVHNIIPMTLTVTTERGFTMLSSVALLSILVFPVSAVVALLVR 180
|||||
Db 121 KDNCTFSCAVKNPPDVHNIIPMTLTVTTERGFTMLSSVALLSILVFPVSAVVALLVR 180
Oy 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACELDSYEETY 235
|||||
Db 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACELDSYEETY 235

RESULT 3

US-10-230-163-238
; Sequence 238, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3530PIC96
;; CURRENT APPLICATION NUMBER: US/10/230,163
;; CURRENT FILING DATE: 2002-08-28
;; PRIOR APPLICATION NUMBER: 10/119,480
;; PRIOR FILING DATE: 2002-04-09
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/062287
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/063549
;; PRIOR FILING DATE: 1997-10-28
;; PRIOR APPLICATION NUMBER: 60/064103
;; PRIOR FILING DATE: 1997-10-31
;; PRIOR APPLICATION NUMBER: 60/069873
;; PRIOR FILING DATE: 1997-12-17
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
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;; PRIOR FILING DATE: 1998-03-25
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;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079728
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;; PRIOR APPLICATION NUMBER: 60/115733
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;; PRIOR APPLICATION NUMBER: 60/119549
;; PRIOR FILING DATE: 1999-02-10
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;; PRIOR FILING DATE: 1999-03-19
;; PRIOR APPLICATION NUMBER: 60/125775
;; PRIOR FILING DATE: 1999-03-23
;; PRIOR APPLICATION NUMBER: 60/126773
;; PRIOR FILING DATE: 1999-03-29
;; PRIOR APPLICATION NUMBER: 60/127887
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: 60/130232
;; PRIOR FILING DATE: 1999-04-21

APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530PIC14
CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 238
LENGTH: 235
TYPE: PRT
ORGANISM: Homo Sapien
US-10-218-631-238

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MOORGAAGSGCAGCFLPGLLVLFQGVYVFSLEIRADAHVGVGKIKLKCTFKSTSDV 60
DB 1 MOORGAAGSGCAGCFLPGLLVLFQGVYVFSLEIRADAHVGVGKIKLKCTFKSTSDV 60
QY 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
DB 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
QY 121 KNGTSCAVKKNPDVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
DB 121 KNGTSCAVKKNPDVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
QY 181 MGRKAAGLKKRSRSGYKKSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235
DB 181 MGRKAAGLKKRSRSGYKKSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235

RESULT 4
US-10-218-631-238
Sequence 238, Application US/10218631
Publication No. US20030045687A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.

APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530PIC14
CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 238
LENGTH: 235
TYPE: PRT
ORGANISM: Homo Sapien
US-10-218-631-238

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MOORGAAGSGCAGCFLPGLLVLFQGVYVFSLEIRADAHVGVGKIKLKCTFKSTSDV 60
DB 1 MOORGAAGSGCAGCFLPGLLVLFQGVYVFSLEIRADAHVGVGKIKLKCTFKSTSDV 60
QY 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
DB 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
QY 121 KNGTSCAVKKNPDVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
DB 121 KNGTSCAVKKNPDVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
QY 181 MGRKAAGLKKRSRSGYKKSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235
DB 181 MGRKAAGLKKRSRSGYKKSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235

RESULT 5
US-10-230-338-238
Sequence 238, Application US/10230338
Publication No. US2003004934A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.

```

; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530PIC92
; CURRENT APPLICATION NUMBER: US/10/230.338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 238
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-238

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Query Match      100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MOORGAAGSGCALPPLGLVLFQGVYIVFSLERADAHVRGYVGEKIKLKCTFKSTSDV 60
    |||||
Db 1 MOORGAAGSGCALPPLGLVLFQGVYIVFSLERADAHVRGYVGEKIKLKCTFKSTSDV 60

Qy 61 TDKLTIDWYRPPSSSHVTSIFHYOSFOYPTTAGTFRDRISWGVNKGDAISISNPTI 120
    |||||
Db 61 TDKLTIDWYRPPSSSHVTSIFHYOSFOYPTTAGTFRDRISWGVNKGDAISISNPTI 120

Qy 121 KNGTFFSCAVKPPDVHHNIPMTLTVTERGFTLSSVALLSILVFPVSAYVVALLVR 180
    |||||
Db 121 KNGTFFSCAVKPPDVHHNIPMTLTVTERGFTLSSVALLSILVFPVSAYVVALLVR 180

Qy 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEET 235
    |||||
Db 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEET 235

```

```

RESULT 6
US-10-230-414-238
; Sequence 238, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

```

```

; FILE REFERENCE: P3530PIC98
; CURRENT APPLICATION NUMBER: US/10/230.414
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 238
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-414-238

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```

Query Match      100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MOORGAAGSGCALPPLGLVLFQGVYIVFSLERADAHVRGYVGEKIKLKCTFKSTSDV 60
    |||||
Db 1 MOORGAAGSGCALPPLGLVLFQGVYIVFSLERADAHVRGYVGEKIKLKCTFKSTSDV 60

Qy 61 TDKLTIDWYRPPSSSHVTSIFHYOSFOYPTTAGTFRDRISWGVNKGDAISISNPTI 120
    |||||
Db 61 TDKLTIDWYRPPSSSHVTSIFHYOSFOYPTTAGTFRDRISWGVNKGDAISISNPTI 120

Qy 121 KNGTFFSCAVKPPDVHHNIPMTLTVTERGFTLSSVALLSILVFPVSAYVVALLVR 180
    |||||
Db 121 KNGTFFSCAVKPPDVHHNIPMTLTVTERGFTLSSVALLSILVFPVSAYVVALLVR 180

Qy 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEET 235
    |||||
Db 181 MGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEET 235

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RESULT 7
US-09-764-853-631
; Sequence 631, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P0206
; CURRENT APPLICATION NUMBER: US/09/764.853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 631
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-631

Query Match      77.6%; Score 947; DB 10; Length 183;
Best Local Similarity 100.0%; Pred. No. 2.3e-74;

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Matches 182: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 54 FKSTSDVTKLTDWTTYPSSHTVSIFHYQSFOYPTTAGTFRDRISWGNVYKGDASI 113

Db 2 FKSTSDVTKLTDWTTYPSSHTVSIFHYQSFOYPTTAGTFRDRISWGNVYKGDASI 61

Oy 114 SISNPTIKDNGTFCVAKNPPDVHNIPTMTLTVTTERGFTGMLSSVALLSLILVFVPSAVV 173

Db 62 SISNPTIKDNGTFCVAKNPPDVHNIPTMTLTVTTERGFTGMLSSVALLSLILVFVPSAVV 121

Oy 174 VALLVRMGRKAAGLUKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEE 233

Db 122 VALLVRMGRKAAGLUKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEE 181

Oy 234 TY 235

Db 182 TY 183

RESULT 8

JS-09-764-853-813

; Sequence: 813, Application US/09764853

; Patent No. US20020090672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: P206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 813

; LENGTH: 173

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (39)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (41)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (68)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (104)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-853-813

Query Match 55.5%; Score 677; DB 10; Length 173;

Best Local Similarity 79.8%; Pred. No. 3.7e-51;

Matches 138; Conservative 7; Mismatches 24; Indels 4; Gaps 2;

Oy 63 KLITDWTYRPPSSHTVSIFHYQSFOYPTTAGTFRDRISWGNVYKGDASTISNPTIKD 122

Db 5 RLDISFSQOOP---HSINI-SLSVFPVFNHRSISGSDXGXGNVYKGDASTISNPTIKD 60

Oy 123 NCTFSCVAKNPPDVHNIPTMTLTVTTERGFTGMLSSVALLSLILVFVPSAVVALLVRMG 182

Db 61 NCTFSCVAKNPPDVHNIPTMTLTVTTERGFTGMLSSVALLSLILVFVPSAVVALLVRMG 120

Oy 183 RKAAGLUKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEEY 235

Db 121 RKAAGLUKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEEY 173

RESULT 9

US-09-992-598-389

; Sequence 389, Application US/09992598

; Patent No. US20020160384A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gorrissen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC20
; CURRENT APPLICATION NUMBER: US/09/992,598
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04

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; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
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; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431

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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
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; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match 19.6%; Score 239.5; DB 9; Length 215;
 Best Local Similarity 30.5%; Pred. No. 2.2e-13;
 Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

```

Qy 5 GAAGSRGALPPLGVLFFQGVYVFSLEIRADAIVRGYVGEKIKLKCTFKTSQVTKL 64
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 3 GKSSTR--AVLLLLGIQ-LTALWPIAAVEIYTSRVLEAVNGTDRARKCTFSFAPVGDAL 59
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 65 TIDWTYRPPSSSHTSYFHYQSFQYPTTAGTFRDRISVAGNVYKGDASISNPTIKONG 124
   : : : : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 60 TVTNWFRPLDGGPEOFVYHIDPPQMSGRFKRVSDWGNPERYDASILLWKLFQDNG 119
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 125 TFSACKNPPDVH-----HNIPWELTIVTERFGTGMSSVALLSILVFPVSAVV 173
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 120 TYTCQVKNPPDVGIVGEIRLSVHTVFSEIHFLAIGAIG---SACALMILIVI----V 172
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 174 VALLIVRMGRKAAGL-----KKRSRSGYKKSSIEVSDTD 208
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 173 VLFQHYRKKRAHRAHKVETKSKKEERLNQEKVSVYLETD 215
   : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

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RESULT 10

US-09-989-293A-389
 : Sequence 389, Application US/09989293A
 : Patent No. US20020177164A1
 : GENERAL INFORMATION:
 : APPLICANT: Ashkenazi, Avi J.
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Botstein, David
 : APPLICANT: Desnoyers, Luc
 : APPLICANT: Eaton, Dan L.
 : APPLICANT: Ferrara, Napoleone
 : APPLICANT: Fong, Sherman
 : APPLICANT: Gerber, Hanspeter
 : APPLICANT: Gerritsen, Mary E.
 : APPLICANT: Goddard, Audrey
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Grimaldi, J. Christopher
 : APPLICANT: Gurney, Austin I.
 : APPLICANT: Kljavin, Ivar J.
 : APPLICANT: Napier, Mary A.
 : APPLICANT: Pan, James
 : APPLICANT: Paoni, Nicholas F.
 : APPLICANT: Roy, Margaret Ann
 : APPLICANT: Stewart, Timothy A.
 : APPLICANT: Tumas, Daniel
 : APPLICANT: Watanabe, Colin K.
 : APPLICANT: Williams, P. Mickey
 : APPLICANT: Wood, William I.
 : APPLICANT: Zhang, Zemin
 : TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 : FILE REFERENCE: P2730PIC66
 : CURRENT APPLICATION NUMBER: US/09/989,293A
 : CURRENT FILING DATE: 2001-11-20
 : PRIOR APPLICATION NUMBER: 60/049787
 : PRIOR FILING DATE: 1997-06-16
 : PRIOR APPLICATION NUMBER: 60/062250
 : PRIOR FILING DATE: 1997-10-17
 : PRIOR APPLICATION NUMBER: 60/065186
 : PRIOR FILING DATE: 1997-11-12
 : PRIOR APPLICATION NUMBER: 60/065311
 : PRIOR FILING DATE: 1997-11-13
 : PRIOR APPLICATION NUMBER: 60/066770
 : PRIOR FILING DATE: 1997-11-24
 : PRIOR APPLICATION NUMBER: 60/075945
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 : PRIOR APPLICATION NUMBER: 60/078910
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 : PRIOR APPLICATION NUMBER: 60/083322
 : PRIOR FILING DATE: 1998-04-28
 : PRIOR APPLICATION NUMBER: 60/084600
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 : PRIOR APPLICATION NUMBER: 60/087106
 : PRIOR FILING DATE: 1998-05-28
 : PRIOR APPLICATION NUMBER: 60/087607
 : PRIOR FILING DATE: 1998-06-02
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 : PRIOR FILING DATE: 1998-06-02
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 : PRIOR APPLICATION NUMBER: 60/087827
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 : PRIOR APPLICATION NUMBER: 60/088021
 : PRIOR FILING DATE: 1998-06-04
 : PRIOR APPLICATION NUMBER: 60/088025
 : PRIOR FILING DATE: 1998-06-04
 : PRIOR APPLICATION NUMBER: 60/088026
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: PRIOR FILING DATE: 1998-06-04
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 : PRIOR APPLICATION NUMBER: 60/089653
 : PRIOR FILING DATE: 1998-06-17
 : PRIOR APPLICATION NUMBER: 60/089801
 : PRIOR FILING DATE: 1998-06-18
 : PRIOR APPLICATION NUMBER: 60/089907
 : PRIOR FILING DATE: 1998-06-18
 : PRIOR APPLICATION NUMBER: 60/089908
 : PRIOR FILING DATE: 1998-06-18
 : PRIOR APPLICATION NUMBER: 60/089947
 : PRIOR FILING DATE: 1998-06-19
 : PRIOR APPLICATION NUMBER: 60/089948
 : PRIOR FILING DATE: 1998-06-19
 : PRIOR APPLICATION NUMBER: 60/089952
 : PRIOR FILING DATE: 1998-06-19
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 : PRIOR APPLICATION NUMBER: 60/090254
 : PRIOR FILING DATE: 1998-06-22
 : PRIOR APPLICATION NUMBER: 60/090349
 : PRIOR FILING DATE: 1998-06-23

1 PRIOR APPLICATION NUMBER: 60/090355
2 PRIOR FILING DATE: 1998-06-23
3 PRIOR APPLICATION NUMBER: 60/090429
4 PRIOR FILING DATE: 1998-06-24
5 PRIOR APPLICATION NUMBER: 60/090431
6 PRIOR FILING DATE: 1998-06-24
7 PRIOR APPLICATION NUMBER: 60/090435
8 PRIOR FILING DATE: 1998-06-24
9 PRIOR APPLICATION NUMBER: 60/090444
10 PRIOR FILING DATE: 1998-06-24
11 PRIOR APPLICATION NUMBER: 60/090445
12 PRIOR FILING DATE: 1998-06-24
13 PRIOR APPLICATION NUMBER: 60/090472
14 PRIOR FILING DATE: 1998-06-24
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16 PRIOR FILING DATE: 1998-06-24
17 PRIOR APPLICATION NUMBER: 60/090540
18 PRIOR FILING DATE: 1998-06-24
19 PRIOR APPLICATION NUMBER: 60/090542
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25 PRIOR APPLICATION NUMBER: 60/090678
26 PRIOR FILING DATE: 1998-06-25
27 PRIOR APPLICATION NUMBER: 60/090690
28 PRIOR FILING DATE: 1998-06-25
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32 PRIOR FILING DATE: 1998-06-25
33 PRIOR APPLICATION NUMBER: 60/090696
34 PRIOR FILING DATE: 1998-06-25
35 PRIOR APPLICATION NUMBER: 60/090862
36 PRIOR FILING DATE: 1998-06-26
37 PRIOR APPLICATION NUMBER: 60/090863
38 PRIOR FILING DATE: 1998-06-26
39 PRIOR APPLICATION NUMBER: 60/091360
40 PRIOR FILING DATE: 1998-07-01
41 PRIOR APPLICATION NUMBER: 60/091478
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43 PRIOR APPLICATION NUMBER: 60/091544
44 PRIOR FILING DATE: 1998-07-01
45 PRIOR APPLICATION NUMBER: 60/091519
46 PRIOR FILING DATE: 1998-07-02
47 PRIOR APPLICATION NUMBER: 60/091626
48 PRIOR FILING DATE: 1998-07-02
49 PRIOR APPLICATION NUMBER: 60/091633
50 PRIOR FILING DATE: 1998-07-02
51 PRIOR APPLICATION NUMBER: 60/091978
52 PRIOR FILING DATE: 1998-07-07
53 PRIOR APPLICATION NUMBER: 60/091982
54 PRIOR FILING DATE: 1998-07-07
55 PRIOR APPLICATION NUMBER: 60/092182
56 PRIOR FILING DATE: 1998-07-09

Query Match 19.6%; Score 239.5; DB 9; Length 215;
Best Local Similarity 30.5%; Pred. No. 2.2e-13;
Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

Oy 5 GAAGSGCALFPLGLVFGGYIVFSLERADAHVRGVGGEKIKIKCTFKSTSDVTDKL 64
Db 3 GKSSR--AVLLLLGIQ-LTALWPIAAVEIYTSKRVLEAVNGTDRUKCTFSSFPVGDAL 59
Oy 65 TIDWTRPPSSSHVTSIFHQQFOYPTTAGTFRDRISWGVNRYKGDASISISNPTIKDNG 124
Db 60 TVTWNRPLRDGGPEQVFVYHIDFPQMSGRFKDRVSDGNPNRYDASILLMKLQDDNG 119
Oy 125 TESCANKNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSAYV 173
Db 120 TYTCOVKNPDVDGVGTEIGRLSVVHTVRFSEIHFLAIAIG---SACALMIIVI----VV 172

Oy 174 VALLVRMRGRKAAGL-----KKRSRGYKKSSIEVSDOTD 208
Db 173 VLFQHYRKRKRAERAHAKVVEIKSKEERLNOEKVKSVYLEOTD 215

RESULT 11
US-09-989-735-389
; Sequence 389, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Geiber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC61
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04

;	PRIOR	FILING	DATE:	1998-06-22	
;	PRIOR	APPLICATION	NUMBER:	60/090254	
;	PRIOR	FILING	DATE:	1998-06-22	
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;	PRIOR	APPLICATION	NUMBER:	60/091978	
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;	PRIOR	APPLICATION	NUMBER:	60/091982	
;	PRIOR	FILING	DATE:	1998-07-07	
;	PRIOR	APPLICATION	NUMBER:	60/092182	
;	PRIOR	FILING	DATE:	1998-07-09	

[illegible]

Oy 125 TFSCAVKNPPDVH-----HNIPMTELTVTTERGFTGMLSSVALLSILVFPVSAV 173
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Db 120 TYTCOVKNPPDOVGIVGEIRLSVHVTRFSEIHFLLAIG---SACALMIIVI-----V 172
Oy 174 VALLVRMGRKAAGL-----KRSRSGYKSSIEVSDOTD 208
I:| | | | | I:| | | | | I:| | | | | I:| | | | |
Db 173 VLFOYHRKRWKRAHRAHKVVEIKSKEERLNOEKKVSVYLEOTD 215

RESULT 12

US-09-990-444-389
; Sequence 389, Application US/09990444
; Publication No. US20020193300A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P27301C19
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-06-19

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63	PRIOR FILING DATE: 1998-06-17
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65	PRIOR FILING DATE: 1998-06-17
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68	PRIOR APPLICATION NUMBER: 60/089907
69	PRIOR FILING DATE: 1998-06-18
70	PRIOR APPLICATION NUMBER: 60/089908
71	PRIOR FILING DATE: 1998-06-18

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2	PRIOR FILING DATE: 1998-07-07	
2	PRIOR APPLICATION NUMBER: 60/091982	
2	PRIOR FILING DATE: 1998-07-07	
2	PRIOR APPLICATION NUMBER: 60/092182	
2	PRIOR FILING DATE: 1998-07-09	

Query Match

19.68; score 239.5; DB 9; length 215;

PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/088167
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PRIOR FILING DATE: 1998-06-11
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PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-17

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; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
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; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 19.6% Score 239.5; DB 9; Length 215;
Best Local Similarity 30.5%; Pred. No. 2.2e-13;
Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

Oy 5 GAAGSRGCAFPLLGLVFFQGVYIVFSLERADAHVGVGKIKLKCTFKSTSDVTUKL 64
Db 3 GKSSTR--AVLLLLGIG--LTALWPIAAVEIYTSRLEAVNGTAKLKCTFSSFAPVGDAL 59
Oy 65 TIDWTYRPPSSSHTVSIFHYQSQYPTTATGTRDRISWGVNKGDASTIS1SNPTJKDNG 124
Db 60 TVTNWFRPLDGGPEOFVYHIDPQPMGSRPKDRVNDGNGNPERYDASILLKLOFDDNG 119
Oy 125 TFSCAVKNPPDVH-----HINPWTETVTGFGCTMLSSVALLSILVFPVSAYV 173
Db 120 TYTCQVKNPPDVGIVGIEIRLSVWHTVRFSEIHFLALAIG---SACALMIIVJ----VV 172
Oy 174 VALLVRMRKRAAGL-----KKRSRGYKKSSTIEVSDDTD 208
Db 173 VLFQHYRKRWAERAHKVVVEIKSKEERLUNQEKVSVYLEDTD 215

RESULT 15
US-09-991-181-389
; Sequence 389, Application US/09991181
; Publication No. US20020197615A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C53
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20

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: PRIOR APPLICATION NUMBER: 60/091633
: PRIOR FILING DATE: 1998-07-02
: PRIOR APPLICATION NUMBER: 60/091978
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/091982
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/092182
: PRIOR FILING DATE: 1998-07-09

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Query Match	19.68;	Score	239..5;	DB	9;	Length	215;
Best Local Similarity	30.58;	Pred.	No. 2.2e-13;				
Matches	66;	Conservative	33;	Mismatches	93;	Indels	29;
Gaps	6;						

Qy	5	GAAGSRGCAFLPLGLVLFQCGVTIVFSLEIRADAHVRGYGKEIKLKCTFKSTSDVTDKL	64
Dd	3	KKSSTR--AVLLLGIO-LTALWPIAAVEYTSRVLEANGTDARLCTSSFPAPVGDAI	59
Qy	65	TIDWTYRPPSSSTVSITHYQSFOYPTTAGTFRRDIRISWGNGVYGKASISNITIKDNG	124
b	60	TVTNWFRPLDGGEQGFVFYHIDPFGPMGRFKDRVSWDGNPEYDSAILWKQLQFDNQ	119
/	125	TFSCAVKNPPDVH-----HNTPMTRELTVTGERGFTMLSSVALLSTLVFVPSAVV	173
Dd	120	TYTCOVKNPPVDGVIGEIRLSVVHTVRFSEIHFLAIAIG---SACALMIIVI---	172
Qy	174	VALLVMRGKRAAGL-----KKRSRGYKKXSIEVSDDTD	208
Dd	173	VLFGHYRKRWAEARAHKWVKIISKREERLNQEKKVSVILEDT	215

Search completed: March 19, 2003, 11:34:39
Job time : 17 secs

;	PRIOR FILING DATE:	1998-09-25
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;	PRIOR FILING DATE:	1998-09-24
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;	PRIOR APPLICATION NUMBER:	60/106178
;	PRIOR FILING DATE:	1998-10-28
;	PRIOR APPLICATION NUMBER:	60/106248
;	PRIOR FILING DATE:	1998-10-29
;	PRIOR APPLICATION NUMBER:	60/106464
;	PRIOR FILING DATE:	1998-10-30
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;	PRIOR APPLICATION NUMBER:	60/125259
;	PRIOR FILING DATE:	1999-03-19
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;	PRIOR FILING DATE:	1999-03-23
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;	PRIOR FILING DATE:	1999-07-28
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;	PRIOR FILING DATE:	1999-08-03
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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match          99.9%; Score 969; DB 9; Length 983;
Best Local Similarity 100.0%; Pred. No. 3.8e-286;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGATGCAGAGAGAGAGAGAGCTGGAAGCGGTGGCTGCGCTCTCTTCCCTCTGCTGGGG 60
b 1 GGATGCAGAGAGAGAGAGAGCTGGAAGCGGTGGCTGCGCTCTCTTCCCTCTGCTGGGG 60
Qy 61 TCCTCTTCTCCAGGCTGTTTATATCGTCTTTTTCCTTTGGAGATTCGTGCAGATGCCCATG 120
Db 61 TCCTCTTCTCCAGGCTGTTTATATCGTCTTTTTCCTTTGGAGATTCGTGCAGATGCCCATG 120
Qy 121 TCCGAGGTTATCTTGGAGAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTCCAGATG 180
Db 121 TCCGAGGTTATCTTGGAGAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTCCAGATG 180
Qy 181 TCAGTACAGAGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
Db 181 TCAGTACAGAGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
Qy 241 CAATATTTTCATTCAGTCTTTCCAGTACCCCAACACAGCAGCAGATTTCCGGATCGGA 300
Db 241 CAATATTTTCATTCAGTCTTTCCAGTACCCCAACACAGCAGCAGATTTCCGGATCGGA 300
Qy 301 TTTCTCGGTTGGAATGTATACAAAGGGGATGCATCTATAGTATAGCAACCCCTACCA 360
Db 301 TTTCTCGGTTGGAATGTATACAAAGGGGATGCATCTATAGTATAGCAACCCCTACCA 360
Qy 361 TAAAGCAATGGGACATTCAGCTGTCTGTCGAAGAAAGGGTTTTGGCCACCATGTCACCATATA 420
Db 361 TAAAGCAATGGGACATTCAGCTGTCTGTCGAAGAAAGGGTTTTGGCCACCATGTCACCATATA 420
Qy 421 TTTCCATGACAGAGCTTAACAGTACAGAAAGGGTTTTGGCCACCATGTCCTCTGTGG 480
b 421 TTTCCATGACAGAGCTTAACAGTACAGAAAGGGTTTTGGCCACCATGTCCTCTGTGG 480
Qy 481 CCCTTTTTCATTCCTTGTCTTTGTGCCCTCAGCCGTGGTGGTCTCTGCTGCTGGTGA 540
Db 481 CCCTTTTTCATTCCTTGTCTTTGTGCCCTCAGCCGTGGTGGTCTCTGCTGCTGGTGA 540
Qy 541 GAATGGGAGGAGGCTGCTGGGCTGAAGAAGAGGAGGCTCTGGCTATAGAGATCAT 600
Db 541 GAATGGGAGGAGGCTGCTGGGCTGAAGAAGAGGAGGCTCTGGCTATAGAGATCAT 600
Qy 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGATGGCGAGGCTTT 660
Db 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGATGGCGAGGCTTT 660
Qy 661 GTGTCCGTTTCCGCTGAGTCCCTGGATTCAGACTATGAGAGAGACATATTGATCAAAAGTCTG 720
Db 661 GTGTCCGTTTCCGCTGAGTCCCTGGATTCAGACTATGAGAGAGACATATTGATCAAAAGTCTG 720
Qy 721 TATGACACAGAGAGAGTCACTACCTTAAGACAGGAGAAACATCCATTCACGCGGAGCTTAAGC 780
Db 721 TATGACACAGAGAGAGTCACTACCTTAAGACAGGAGAAACATCCATTCACGCGGAGCTTAAGC 780
Qy 781 CTGTACAGAAAGTGTGAGCTGGCTGACCATAGGATGCAACATCTCGAGATCATCAG 840
Db 781 CTGTACAGAAAGTGTGAGCTGGCTGACCATAGGATGCAACATCTCGAGATCATCAG 840
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Qy 841 TAAAGCACTTTAGGAACCACTTATTATTGAATAAATGTTCTTGTGTTATTTAAACTGT 900
Db 841 TAAAGCACTTTAGGAACCACTTATTATTGAATAAATGTTCTTGTGTTATTTAAACTGT 900
Qy 901 TCAGGAAGTCTCATAAGAGACTGACTTCCCTTTTCAATGAATATGCTCTAATTGAA 960
Db 901 TCAGGAAGTCTCATAAGAGACTGACTTCCCTTTTCAATGAATATGCTCTAATTGAA 960
Qy 961 TGAAGAAAT 969
Db 961 TGAAGAAAT 969
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RESULT 3
US-10-230-163-237
; Sequence 237, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C96
; CURRENT APPLICATION NUMBER: US/10/230.163
; PRIOR APPLICATION NUMBER: 2002-08-28
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
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; PRIOR APPLICATION NUMBER: 60/064103
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 ; PRIOR APPLICATION NUMBER: 60/151733
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 ; PRIOR FILING DATE: 1999-11-16
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 ; PRIOR FILING DATE: 1999-12-07
 ; PRIOR APPLICATION NUMBER: 60/169495
 ; PRIOR FILING DATE: 1999-12-07
 ; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.9%; Score 969; DB 9; Length 983;
 Best Local Similarity 100.0%; Pred. No. 3.Re-286;

Db	301	TTTCCCTGGTGGAAATGCTATACAAAGGGGATGCATCTCTAATAGTATAAGCAACCCCTACCA	360
Qy	361	TAAAGACAATGGGACATTCAGCTGTCTGTGAAGAATCCCCAGATGTGCACCAATAATA	420
Db	361	TAAAGACAATGGGACATTCAGCTGTCTGTGAAGAATCCCCAGATGTGCACCAATAATA	420
Qy	421	TTCCCATGACAGAGCTTAACAGTACACAGAAAGGGTTTTGGCACCATGCTTTCTCTGTGG	480
Db	421	TTCCCATGACAGAGCTTAACAGTACACAGAAAGGGTTTTGGCACCATGCTTTCTCTGTGG	480
Qy	481	CCCTTCTTCCATCTTGCTTTGTGCCCCAGCCGTGGTGTGCTGCTGCTGCTGCTCA	540
Db	481	CCCTTCTTCCATCTTGCTTTGTGCCCCAGCCGTGGTGTGCTGCTGCTGCTGCTGCTCA	540
Qy	541	GAATGGGGAGGAGGCTGTGGGCTGAAGAAGAGGAGCGTCTGCTATATAAGAAAGTCAT	600
Db	541	GAATGGGGAGGAGGCTGTGGGCTGAAGAAGAGGAGCGTCTGCTATATAAGAAAGTCAT	600
Qy	601	CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAAGGCGCTATGGCGAGGCTTT	660
Db	601	CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAAGGCGCTATGGCGAGGCTTT	660
Qy	661	GTGTCCCTTGGCTGAGTGGCTGGATTCAGACTATGAAGAGACATATTGATGAAGCTCG	720
Db	661	GTGTCCCTTGGCTGAGTGGCTGGATTCAGACTATGAAGAGACATATTGATGAAGCTCG	720
Qy	721	TATGACACAGAGAGTTCACCTTAAGACAGGAAACATCCCATCTCCACTGGCAGCTAAAGC	780
Db	721	TATGACACAGAGAGTTCACCTTAAGACAGGAAACATCCCATCTCCACTGGCAGCTAAAGC	780
Qy	781	CTGTACAGAAAGTGGAGCTGGGCTGGACCATAGCCATAGCCATCCTCGAGATCATCAG	840
Db	781	CTGTACAGAAAGTGGAGCTGGGCTGGACCATAGCCATAGCCATCCTCGAGATCATCAG	840
Qy	841	TAAAGACTTTAGGAACCATTTATTTATGAAATAAATGTTCTTGTGCTATTTATAAAGCTG	900
Db	841	TAAAGACTTTAGGAACCATTTATTTATGAAATAAATGTTCTTGTGCTATTTATAAAGCTG	900
Qy	901	TCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTCAATGAATTTATGCTGTAAATTGAA	960
Db	901	TCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTCAATGAATTTATGCTGTAAATTGAA	960
Qy	961	TGAGAAAT	969
Db	961	TGAGAAAT	969

RESULT 5

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:US-10-230-338-237
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:Sequence 237, Application US/10230338
:Publication No. US2003004934A1
:
:GENERAL INFORMATION:
:
:APPLICANT: Baker, Kevin P.
:APPLICANT: Desnoyers, Luc
:APPLICANT: Gerritsen, Mary
:APPLICANT: Goddard, Audrey
:APPLICANT: Godowski, Paul J.
:APPLICANT: Grimaldi, J. Christopher
:APPLICANT: Gurney, Austin L.
:APPLICANT: Smith, Victoria
:APPLICANT: Stephan, Jean-Philippe F.
:APPLICANT: Watanabe, Colin L.
:APPLICANT: Wood, William L.
:
:TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
:
:TITLE OF INVENTION: ACIDS ENCODING THE SAME
:
:FILE REFERENCE: P35301C92
:CURRENT APPLICATION NUMBER: US/10/230,338
:CURRENT FILING DATE: 2002-08-28
:
:PRIOR APPLICATION NUMBER: 10/119,480
:PRIOR FILING DATE: 2002-04-09
:PRIOR APPLICATION NUMBER: 60/059113
:PRIOR FILING DATE: 1997-09-17
:PRIOR APPLICATION NUMBER: 60/062287

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Db 661 GTGTCGCTGAGTCCCTGGATTTCAGACTATGAAGAGACATATTGATGAAAGTCTG 720
Qy 721 TATGACACAAGAGTCACTTAAGACAGGAAACATCCATTCCACTGGCAGCTAAAGC 780
Db 721 TATGACACAAGAGTCACTTAAGACAGGAAACATCCATTCCACTGGCAGCTAAAGC 780
Qy 781 CTGTCAGAGAAAGTGAGCTGGCCCTGGACCATAGGATGGAGCAATCCTGGAGATCATAG 840
Db 781 CTGTCAGAGAAAGTGAGCTGGCCCTGGACCATAGGATGGAGCAATCCTGGAGATCATAG 840
Qy 841 TAAAGACTTTAGAACCACTTATTATGAATAAATGTTCTTGTGTTATTAATACTCT 900
Db 841 TAAAGACTTTAGAACCACTTATTATGAATAAATGTTCTTGTGTTATTAATACTCT 900
Qy 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTCATGAATTAATCTGTAATTGAA 960
Db 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTCATGAATTAATCTGTAATTGAA 960
Qy 961 TGAAGAAAT 969
Db 961 TGAAGAAAT 969

RESULT 6

US-09-764-853-211

; Sequence 211, Application US/09764853
; Patent No. US2002090672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PJ206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 211

; LENGTH: 3802

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-853-211

Query Match 83.0%; Score 805.2; DB 10; Length 3802;
Best Local Similarity 99.6%; Pred. No. 1.le-235;
Matches 807; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 160 CTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATAGACTGGACATATCGCCCTC 219
2 CTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATAGACTGGACATATCGCCCTC 61
Qy 220 CCAGCAGCAGCCACAGATATCAATATTTTCAATATCAGTCTTTCCAGTACCCCAACACAG 279
Db 62 CCAGCAGCAGCCACAGATATCAATATTTTCAATATCAGTCTTTCCAGTACCCCAACACAG 121
Qy 280 CAGGCACATTTGGGATCGGATTCCTCGGTTGGAATCTATACAAAGGGATGCACTA 339
Db 122 CAGGCACATTTGGGATCGGATTCCTCGGTTGGAATCTATACAAAGGGATGCACTA 181
Qy 340 TAAGTATAAGCAACCCCTACCAATAAGGACAATGGGACATTCAGCTGTGCTGTAAGAAATC 399
Db 182 TAAGTATAAGCAACCCCTACCAATAAGGACAATGGGACATTCAGCTGTGCTGTAAGAAATC 241
Qy 400 CCCAGATGTGACCAATATATTTCCCATGACAGCTAACAGTACAGAAAGGGTTTGG 459
Db 242 CCCAGATGTGACCAATATATTTCCCATGACAGCTAACAGTACAGAAAGGGTTTGG 301
Qy 460 GCACCATGCTTCCCTCTGCGCCCTTCTTCCATCCTTCTGTCCTGCGCCCTCAGCCGTGG 519
Db 302 GCACCATGCTTCCCTCTGCGCCCTTCTTCCATCCTTCTGTCCTGCGCCCTCAGCCGTGG 361
Qy 520 TGGTTCCTCTGCTGCTGGTGAAGTGGGAGGAGGCTCTGGGCTGAAGAGAGAGCA 579
Db 362 TGGTTCCTCTGCTGCTGGTGAAGTGGGAGGAGGCTCTGGGCTGAAGAGAGAGCA 421

Qy 580 GGTCTGGCTATAAGAGTCACTATTTAGGTTTCCGATGACACTGATCAGGAGGAGGAG 639
Db 422 GGTCTGGCTATAAGAGTCACTATTTAGGTTTCCGATGACACTGATCAGGAGGAGGAG 481
Qy 640 AGGCTGTATGGCGAGGCTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 699
Db 482 AGGCTGTATGGCGAGGCTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 541
Qy 700 AGACATATTCATGAAGTCTGTATGACACAAGAGTCACTTAAGAGAGGAGGAGGAGGAG 759
Db 542 AGACATATTCATGAAGTCTGTATGACACAAGAGTCACTTAAGAGAGGAGGAGGAGGAG 601
Qy 760 CATTCACCTGGCAGCTTAAAGCCTGTGAGAGAAAGTGGAGCTGGCCTGGACCATAGGATG 819
Db 602 CATTCACCTGGCAGCTTAAAGCCTGTGAGAGAAAGTGGAGCTGGCCTGGACCATAGGATG 661
Qy 820 GACAATCCTGGAGATCATCAGTAAAGACTTTAGGAAACCACTTATTTTGAATAAATGTT 879
Db 662 GACAATCCTGGAGATCATCAGTAAAGACTTTAGGAAACCACTTATTTTGAATAAATGTT 721
Qy 880 CTGTTGTTATTTATAAAGTCTTCAAGAGCTCTCATAGAGACTCATGACTTCCCTTTTCA 939
Db 722 CTGTTGTTATTTATAAAGTCTTCAAGAGCTCTCATAGAGACTCATGACTTCCCTTTTCA 781
Qy 940 ATGAATATTCCTGCTAATTAATGAATGAAGAAAT 969
Db 782 ATGAATATTCCTGCTAATTAATGAATGAAGAAAT 811

RESULT 7

US-09-764-853-393

; Sequence 393, Application US/09764853

; Patent No. US2002090672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PJ206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 393

; LENGTH: 836

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (760)

; OTHER INFORMATION: n equals a,t,g, or c

US-09-764-853-393

Query Match 68.6%; Score 665.2; DB 10; Length 836;
Best Local Similarity 97.0%; Pred. No. 3.le-193;
Matches 705; Conservative 4; Mismatches 13; Indels 5; Gaps 3;

Qy 152 GAAATGCACCTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATAGACTGGACATA 211
Db 100 GGAATTCCTTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATAGACTGGACATA 159
Qy 212 TCGCCCTCCAGCAGCAGCCACAGTATCAATATTTCAATTTTCAATTTTCAATTTTCAATTTT 271
Db 160 TCGCCCTCCAGCAGCAGCCACAGTATCAATATTTCAATTTTCAATTTTCAATTTTCAATTTT 219
Qy 272 AACACAGCAGCAGCAGCTTTCGGGATCGGATTTCCCTGGGTTGGAATGTAACAAAGGGA 331
Db 220 AACACAGCAGCAGCAGCTTTCGGGATCGGATTTTCGCGGATCGGA-TTTCGCGGTTGGAATGTAACAAAGGGA 278
Qy 332 TGCATCTATAAGTATAAGCAACCCCTACCAATAAGGAGCAATGGGACATTCAGCTGTGCTGT 391
Db 279 TGCATCTATAAGTATAAGCAACCCCTACCAATAAGGAGCAATGGGACATTCAGCTGTGCTGT 338

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; PRIOR APPLICATION NUMBER: 60/088025
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 6.9%; Score 67.4; DB 9; Length 1371;

Best Local Similarity 53.6%; Pred. No. 3.4e-10;

Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

Oy 149 GTTGAATGCACCTTTCAGTCAAGTCAACTTCAGATCTCAGTCTCACTGACAGCTTACTATAGACTGGAC 208

Db 252 GTTAAATGCACCTTTCACAGCTTTGCGCCCTGTCACAGCTGCTTAAACAGTGCACCTGGAA 311


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QY 209 ATATCGCCCTCCAGCAGCACAGCATCAATATTTTCAATTCATTCAGTCTTTCCAGTA 268
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 312 TTTTCGTCCTCTAGACGGGGACCTTGAGCAGTTTGTATTCTACTACCACATAGATCCCTT 371
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 269 CCCAACACACAGCAGCACATTTTCGGGATCGGATTTCTCGGTGGAAATGTATACAAAGG 328
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 372 CCAACCCATGAGTGGGCGGTTTAAGGACCGGGTGTCTTGGATGGGAATCCTGAGCGSTA 431
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 329 GGATGCATCTATAGCATATAGCACACCTACATATAAGGACAAATGGGACATTCAGCTGTGC 388
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 432 CGATGCCTCCATCCTCTCTCGAACTGCACTTTCGACGACAAATGGGACATACACCTGCCA 491
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 389 TGTGAAGAATCCCCAGCATGT 409
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 492 GGTGAAGAACCCACCTGTGT 512
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 10
US-09-989-293A-388
; Sequence 388, Application US/09989293A
; Patent No. US20020177164A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C66
; CURRENT APPLICATION NUMBER: US/09/989, 293A
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
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; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR APPLICATION NUMBER: 60/090540
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
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; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182

; PRIOR FILING DATE: 1998-07-09
Query Match 6.9%; Score 67.4; DB 9; length 1371;
Best Local Similarity 53.6%; Pred. No. 3.4e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;
QY 149 GTTGAATGCACTTTCAAGTTCAGATGTCACATTCAGATGTCACAAAGCTTACTATAGACTGGAC 208
DB 252 GTTAAATGCACTTTCTCCAGCTTTGCCCTGTGGGTGATGCTCTAACAGTGCCTCGAA 311
QY 209 ATATCGCCCTCCAGCAGCAGCCACAGTATCAATATTTTCATATATCAGTCTTTCCAGTA 268
DB 312 TTTTCGTCTCTAGACGGGGACTTGAGCAGTTTGTATTTCTACTACCATATAGATCCCTT 371
QY 269 CCCAACACACAGCAGCAGCATTTTGGGATTCGGATTTCTCGGTTTGGAAATGTATACAAAGG 328
DB 372 CCAACCATGAGTGGCGGTTTAAAGGACCGGTCTCTGGGATGGGATCTTGAGCCGTA 431
QY 329 GGATGCATCTATAGTATAAGCAACCTTACCATAAAGACAAATGGGACATTCAGCTGTGC 388
DB 432 CGATGCCCTCCATCTCTCTGGAACCTGCAGTTTCGACGACAATGGGACATACACCTGCCA 491
QY 389 TGTGAAGAAATCCCCAGATCT 409
DB 492 GGTGAAGAACCCACCTGATGT 512
RESULT 11
US-09-989-735-388
; Sequence 388, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William J.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PLC61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25

PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19	PRIOR APPLICATION NUMBER: 60/089948
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PRIOR FILING DATE: 1998-06-22	PRIOR APPLICATION NUMBER: 60/090252
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PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090542
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PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26	PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26	PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01	PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02	PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01	PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02	PRIOR APPLICATION NUMBER: 60/091519

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; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          6.98; Score 67.4; DB 9; Length 1371;
Best Local Similarity 53.68; Pred. No. 3.4e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

-QY 149 GTTGAATGCACTTTCAGTCAACTTCAGATGTCTCACTGACAAAGCTTACTATAGACTGGAC 208
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Db 252 GTTAAATGCACTTTCAGTCTTTCAGCTTTGCCCTGTGGGTGATCTCTAACAGTGGACCTGAA 311
    III IIIIIIIIIII III III III III III III III III III
QY 209 ATATCGCCCTCCAGAGAGCCACACAGTATCAATATTTTCATTATTCAGTCTTTTCCAGTA 268
    I III IIII III III III III III III III III III III
Db 312 TTTTCGTCTCTAGACGGGGACCTGAGCAGTTTGTATTTCTACTACCATAGATCCCTT 371
    I III IIII III III III III III III III III III III
QY 269 CCCAACACAGCAGCAGCATTTCCGGATTCGGATTCGATTTCTCGGTTGGAAATCTATACAAAG 328
    III IIII III III III III III III III III III III III
Db 372 CCAACCCATGAGTGGGGGGTTTAAGGACCGGGTCTCTTGGGATGGGAATCTCGAGCGGTA 431
    III IIII III III III III III III III III III III III
QY 329 GGATGCTATATAAGTAAAGCAACCCCTACCATAAAGACAAATGGGACATTCAGCTCTGTC 388
    IIII IIII III III III III III III III III III III III
Db 432 CGATGCTCCATCTTCTCTGGAACCTGCAGTTTCGAGACANTGGACATACACCTGCCA 491
    IIII IIII III III III III III III III III III III III
QY 389 TGTCGAAGATCCCCCAAGATG 409
    IIIIIII III III III
Db 492 GGTGAAGAACCACCTGATGT 512
    IIIIIII III III III

RESULT 12
US-09-990-444-388
; Sequence 388, Application US/09990444
; Publication No. US20020193300A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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1	PRIOR APPLICATION NUMBER: 60/089512
2	PRIOR FILING DATE: 1998-06-16
3	PRIOR APPLICATION NUMBER: 60/089514
4	PRIOR FILING DATE: 1998-06-16
5	PRIOR APPLICATION NUMBER: 60/089532
6	PRIOR FILING DATE: 1998-06-17
7	PRIOR APPLICATION NUMBER: 60/089538
8	PRIOR FILING DATE: 1998-06-17
9	PRIOR APPLICATION NUMBER: 60/089598
10	PRIOR FILING DATE: 1998-06-17
11	PRIOR APPLICATION NUMBER: 60/089599
12	PRIOR FILING DATE: 1998-06-17
13	PRIOR APPLICATION NUMBER: 60/089600
14	PRIOR FILING DATE: 1998-06-17
15	PRIOR APPLICATION NUMBER: 60/089653
16	PRIOR FILING DATE: 1998-06-17
17	PRIOR APPLICATION NUMBER: 60/089801
18	PRIOR FILING DATE: 1998-06-18
19	PRIOR APPLICATION NUMBER: 60/089907
20	PRIOR FILING DATE: 1998-06-18
21	PRIOR APPLICATION NUMBER: 60/089908
22	PRIOR FILING DATE: 1998-06-18
23	PRIOR APPLICATION NUMBER: 60/089947
24	PRIOR FILING DATE: 1998-06-19
25	PRIOR APPLICATION NUMBER: 60/089948
26	PRIOR FILING DATE: 1998-06-19
27	PRIOR APPLICATION NUMBER: 60/089952
28	PRIOR FILING DATE: 1998-06-19
29	PRIOR APPLICATION NUMBER: 60/090246
30	PRIOR FILING DATE: 1998-06-22
31	PRIOR APPLICATION NUMBER: 60/090252
32	PRIOR FILING DATE: 1998-06-22
33	PRIOR APPLICATION NUMBER: 60/090254
34	PRIOR FILING DATE: 1998-06-22
35	PRIOR APPLICATION NUMBER: 60/090349
36	PRIOR FILING DATE: 1998-06-23
37	PRIOR APPLICATION NUMBER: 60/090355
38	PRIOR FILING DATE: 1998-06-23
39	PRIOR APPLICATION NUMBER: 60/090429
40	PRIOR FILING DATE: 1998-06-24
41	PRIOR APPLICATION NUMBER: 60/090431
42	PRIOR FILING DATE: 1998-06-24
43	PRIOR APPLICATION NUMBER: 60/090435
44	PRIOR FILING DATE: 1998-06-24
45	PRIOR APPLICATION NUMBER: 60/090444
46	PRIOR FILING DATE: 1998-06-24
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48	PRIOR FILING DATE: 1998-06-24
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50	PRIOR FILING DATE: 1998-06-24
51	PRIOR APPLICATION NUMBER: 60/090535
52	PRIOR FILING DATE: 1998-06-24
53	PRIOR APPLICATION NUMBER: 60/090540
54	PRIOR FILING DATE: 1998-06-24
55	PRIOR APPLICATION NUMBER: 60/090542
56	PRIOR FILING DATE: 1998-06-24
57	PRIOR APPLICATION NUMBER: 60/090557
58	PRIOR FILING DATE: 1998-06-24
59	PRIOR APPLICATION NUMBER: 60/090676
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61	PRIOR APPLICATION NUMBER: 60/090678
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63	PRIOR APPLICATION NUMBER: 60/090690
64	PRIOR FILING DATE: 1998-06-25
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66	PRIOR FILING DATE: 1998-06-25
67	PRIOR APPLICATION NUMBER: 60/090695
68	PRIOR FILING DATE: 1998-06-25
69	PRIOR APPLICATION NUMBER: 60/090696
70	PRIOR FILING DATE: 1998-06-25
71	PRIOR APPLICATION NUMBER: 60/090862
72	PRIOR FILING DATE: 1998-06-26
73	PRIOR APPLICATION NUMBER: 60/090863

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; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          6.9%; Score 67.4; DB 9; Length 1371;
Best Local Similarity 53.6%; Pred. No. 3.4e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps

QY 149 GTTGAATCCACTTTCCAAGTCAACTTCAGATTCAGATGACAAAGCTTACTATAGACTGGAC 208
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Db 252 GTTAAATATGACATTTTCTCCAGCTTTGCCCTGTGGGTATGCTCTAACAGTGCACCTGGAA 311
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 209 ATATCGCCCTCCAGCAGGCACACAGTATCAATATTTTCATTATCAGCTTTTCCAGTA 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 312 TTTTTCGTCTCTAGACGGGGACCTCAGCAGTTTGTGATTTCTACTACCAATAGATCCCTT 371
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 269 CCACACACAGCAGGCACATTTCCGGATCGGATTTCTCGGTTGGAAATGTATACAAAG 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 372 CCACACCATGAGTGGCGGTTTTAAGACC GGGTCTCTTGGGATGGGAATCTCTGAGCGGTA 431
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 329 GGATGATCTTATAAGTATAAGCAACCTACCATAAAGGACAATGGGACATTCAGCTGTGC 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 432 CGATGCTCCATCTTCTCTGGAACTGCAAGTTCGACGACAATGGGACATACACCTGCCA 491
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 389 TGTGAAGAATCCCCAGATGT 409
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 492 GGTGAAGAACCCACCTGATGT 512
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 13
US-09-989-730-388
Sequence 388, Application US/09989730
Publication No. US20020197674A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William J.

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC69
CURRENT APPLICATION NUMBER: US/09/989,730
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-06-22
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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 6.9%; Score 67.4; DB 9; Length 1371;

Best Local Similarity 53.6%; Pred. No. 3.4e-10;

Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

Qy 149 GTTCAANTGCACCTTCAAGTCAACTTCAGATGTCACATGCTTACTAGACTGCAC 208
Db 252 GTTAAATGCACCTTCTCCAGCTTTGCCCTGTGGGTGATGCTCTTAACAGTGCCTGGAA 311
Qy 209 ATATCGCCCTCCAGCAGCAGCCACACAGTATCAATATTTTCATTATCAGTCTTTCCAGTA 268
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Db 372 CCAACCCATGAGTGGCGGTTTAAAGGACCGGCTCTTGGGATGGCAATCCTGACCGGTA 431
Qy 329 GGATGCATCTATAAGTATAAGCAACCTTACCATAAGCACAATGGACATTCAGCTGTGC 388
Db 432 CGATGCTCTCCATCTCTCTGGAACCTGCAGTTCCGACGACAATGGACATACACCTGCTA 491
Qy 389 TGTGAAGAATCCCCAGATGT 409
Db 492 GGTGAAGAACCCACCTGATGT 512

RESULT 15

US-09-991-181-388

; Sequence 388, Application US/09991181

; Publication No. US20020197615A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavio, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
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Job time : 138 secs

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Query Match 6.9%; Score 67.4; DB 9; Length 1371;
Best Local Similarity 53.6%; Pred. No. 3.4e-10; Mismatches 121; Indels 0; Gaps 0;
Matches 140; Conservative 0;

Qy 149 GTTGAATGACATTTCACGTCAACTTCAGATGTCACTGACAAAGCTTACTATAGACTGGAC 208
Db 252 GTTAAATGACATTTCCTCCAGCTTTGCCCTTGTGGGTGATGCTCTAACAGTGACCTGGAA 311

Qy 209 ATATCCGCCCTCCAGCAGCAGCAGCAGATATATTTTCATTATCAGTCTTCCAGTA 268
Db 312 TTTTCGCTCTAGACGGGGACCTGAGCAGTTTGTATTCTACTACCACATAGATCCCTT 371

Qy 269 CCCAACGACAGCAGCAGCAGCAGATTTCGGGATTCGGGTTGGAAATGTATACAAAGG 328
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Qy 329 GGATGATCTATAAGTATAGCAACCTTACCATAAGGACAATGGGACATTCAGCTGTGC 388
Db 432 CGATGCTTCATCTTCTCTGGAACTGCAGTTTCGACGACAATGGGACATACACCTGCCA 491

Qy 389 TGTGAAGATCCCCAGATGT 409
Db 492 GGTGAAGAACCCACCTGATGT 512

Search completed: March 17, 2003, 10:32:25

GenCore version 5.1.4_p5_4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 19, 2003, 11:21:17 ; Search time 37 Seconds
(without alignments)
846.322 Million cell updates/sec

Title: US-10-009-328-41
Perfect score: 1220
Sequence: 1 MQORCAAGSRCAFLPLGV.....MARLCVRCACGLSDYEET 235

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1220	100.0	235	22	Human PRO7425 prot
2	1220	100.0	235	22	Human transport pr
3	1220	100.0	235	23	Human PRO protein,
4	947	77.6	183	22	Human cDNA SEQ ID
5	942	77.2	208	22	Human immunoglobul
6	677	55.5	173	22	Human cDNA SEQ ID
7	677	55.5	173	22	Human immunoglobul
8	500	41.0	96	20	Human 5' EST seque
9	358	29.3	70	20	Human 5' EST seque
10	272	22.3	258	23	Human myelin prote

11	247	20.2	248	18	AAW94567
12	239.5	19.6	215	20	AAW41673
13	239.5	19.6	215	21	AAAB33448
14	239.5	19.6	215	21	AAW66752
15	239.5	19.6	215	22	AAW12415
16	239.5	19.6	215	22	AAW65275
17	239.5	19.6	215	23	AAW95515
18	239.5	19.6	215	23	AAW84909
19	239.5	19.6	215	23	AAW83675
20	235.5	19.3	119	21	AAW36032
21	230	18.9	269	21	AAW99445
22	230	18.9	269	22	AAW66194
23	230	18.9	269	23	AAW80191
24	230	18.9	269	23	AAW80192
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31	230	18.9	269	23	AAW80220
32	229	18.8	209	21	AAW94998
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34	229	18.8	209	23	AAW80200
35	229	18.8	209	23	AAW80201
36	229	18.8	209	23	AAW80202
37	228.5	18.7	199	23	AAW80211
38	228.5	18.7	199	23	AAW80212
39	228.5	18.7	199	23	AAW80213
40	228.5	18.7	199	23	AAW80214
41	226	18.5	269	22	AAU12436
42	219	18.0	270	23	AAW80203
43	219	18.0	270	23	AAW80205
44	218.5	17.9	159	23	AAW80207
45	218.5	17.9	159	23	AAW80208

ALIGNMENTS

RESULT 1
AAW72879

ID AAW72879 standard; Protein; 235 AA.

AC AAW72879;

DT 31-MAY-2001 (first entry)

DE Human PRO7425 protein encoded by DNA108792-2753 cDNA clone.

XX Human; PRO7425; antiinflammatory; dermatological; immunosuppressive;
KW antirheumatic; antiarthritic; osteopathic; antianemic; haemostatic;
KW antithyroid; antidiabetic; antiviral; antipsoriatic; antiallergic;
KW antidiabetic; inhibitor; therapy; systemic lupus erythematosus;
KW spondyloarthritis; systemic sclerosis; systemic vasculitis;
KW sarcoidosis; idiopathic inflammatory myopathy; Sjogren's syndrome;
KW autoimmune thrombocytopenia; immune-mediated renal disease; hepatitis;
KW demyelinating polyneuropathy; Guillain-Barre syndrome; Whipple's disease;
KW hepatobiliary disease; primary biliary cirrhosis; sclerosing cholangitis;
KW inflammatory bowel disease; gluten-sensitive enteropathy; skin disease;
KW allergic rhinitis; atopic dermatitis; food hypersensitivity; urticaria;
KW eosinophilic pneumonia; hypersensitivity pneumonitis; graft rejection;
KW idiopathic pulmonary fibrosis; graft-versus-host-disease.

XX Homo sapiens.

OS Key Location/Qualifiers

FT Modified-site 5..11 /note= "N-Myristoylation site"

FT Modified-site 8..14 /note= "N-Myristoylation site"

FT Domain 11..30 /label= Transmembrane_domain

FT Modified-site 63..71
FT /label= Tyrosine_kinase_phosphorylation_site
FT 123..127
FT /note= "Asn is N-glycosylated"
FT 124..130
FT /note= "N-Myristoylation site"
FT 153..159
FT /note= "N-Myristoylation site"
FT 157..177
FT /label= Transmembrane_domain
FT 181..185
FT /note= "Amidation_site"
FT 189..193
FT /note= "cAMP- and cGMP- dependent protein kinase
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FT 197..201
FT /note= "cAMP- and cGMP- dependent protein kinase
FT phosphorylation site"
FT WO200116319-A2.
FT 08-MAR-2001.
FT 23-AUG-2000; 2000WO-US233522.
FT 31-AUG-1999; 99US-0151733.
FT 01-SEP-1999; 99WO-US20111.
FT 16-DEC-1999; 99WO-US30095.
FT 18-FEB-2000; 2000WO-US04342.
FT 01-MAR-2000; 2000WO-US06601.
FT 30-MAR-2000; 2000WO-US08439.
FT 17-MAY-2000; 2000WO-US13705.
FT 22-MAY-2000; 2000WO-US14049.
FT 30-MAY-2000; 2000WO-US14941.
FT 05-JUN-2000; 2000US-0209832.
FT (GETH) GENENTECH INC.
FT Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Tumas D;
FT Watanabe CK, Wood WI;
FT WPI: 2001-226690/23.
FT N-PSDB; AAD02925.
FT New PRO polypeptides for treating immune related and inflammatory
FT diseases such as rheumatoid arthritis, systemic vasculitis, asthma,
FT autoimmune hemolytic anemia, and diabetes mellitus
FT Claim 10; Fig 12; 118pp; English.
FT The present sequence is PRO7425 protein encoded by DNAL08792-2753 cDNA
FT clone. PRO protein, its agonist or antagonist or its antibody which are
FT capable of enhancing or inhibiting the proliferation of T-lymphocytes
FT or of increasing the infiltration of inflammatory cells into a tissue
FT are useful in the diagnosis and treatment of immune-related diseases
FT in mammals. The PRO protein is useful for treating systemic lupus
FT erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
FT arthritis, spondyloarthritis, systemic sclerosis, idiopathic
FT inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
FT sarcoidosis, autoimmune hemolytic anaemia, autoimmune thrombocytopenia,
FT thyroiditis, diabetes mellitus, immune-mediated renal disease,
FT demyelinating disease of the central or peripheral nervous system,
FT idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome,
FT chronic inflammatory demyelinating polyneuropathy, hepatobiliary
FT disease, infectious or autoimmune chronic active hepatitis, primary
FT biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
FT inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
FT disease, autoimmune or immune-mediated skin diseases such as bullous
FT skin disease, erythema multiforme and contact dermatitis, psoriasis,
FT allergic diseases such as asthma, allergic rhinitis, atopic dermatitis,
FT food hypersensitivity and urticaria, immunologic diseases of the lung
FT such as eosinophilic pneumonias, idiopathic pulmonary fibrosis, hyper
FT sensitivity pneumonitis, transplantation associated diseases such as

CC graft rejection or graft-versus-host-disease.
XX
SQ Sequence 235 AA;
Query Match 100.0%; Score 1220; DB 22; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.7e-104;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MOORGAAGSRGCAFLPLGLVLFQGVYIVFSLEIRADAHVRGVGKIKLCKTFKSTSDV 60
Db 1 MOORGAAGSRGCAFLPLGLVLFQGVYIVFSLEIRADAHVRGVGKIKLCKTFKSTSDV 60
Qy 61 TDKLITDMTYRPPSSSHTVSIPHYOSFOYPTTAGTFRDRISWGNVYKGDASISISNPTI 120
Db 61 TDKLITDMTYRPPSSSHTVSIPHYOSFOYPTTAGTFRDRISWGNVYKGDASISISNPTI 120
Qy 121 KDNCTFSCAVKNPPDVHNIPTMTLTVTTERGFGTMLSSVALLSILVFPVSAVVALLLVR 180
Db 121 KDNCTFSCAVKNPPDVHNIPTMTLTVTTERGFGTMLSSVALLSILVFPVSAVVALLLVR 180
Qy 181 MGRKAAGLKKRSRGYKKSSIEVSDDTDQEEECMARLCVRCACLDSDYEET 235
Db 181 MGRKAAGLKKRSRGYKKSSIEVSDDTDQEEECMARLCVRCACLDSDYEET 235
RESULT 2
AAB60121
ID AAB60121 standard; Protein: 235 AA.
AC AAB60121;
XX
DT 28-MAR-2001 (first entry)
XX
DE Human transport protein TtpT-41.
XX
KW Human; transport protein; TtpT; transport disorder; metabolic disorder;
KW neurological disorder; cardiovascular disorder; reproductive disorder;
KW immune disorder; cancer.
XX
OS Homo sapiens.
XX
PN WO200078953-A2.
XX
PD 28-DEC-2000.
XX
PF 16-JUN-2000; 2000WO-US16668.
XX
PR 17-JUN-1999; 99US-0139923.
PR 10-AUG-1999; 99US-0148177.
PR 18-AUG-1999; 99US-0149357.
PR 28-OCT-1999; 99US-0162287.
XX
PA (INCY-) INCYTE GENOMICS INC..
XX
PI Lal P, Yang J, Yue H, Hillman JL, Tang YT, Bandman O, Burford N;
PI Baughn MR, Azimzai Y, Lu DAM, Au-Young J, Patterson C;
XX
DR WPI: 2001-041424/05.
DR N-PSDB; AAF27741.
XX
PT Isolated polypeptide with a human transport protein sequence is useful
PT for the diagnosis, prevention and treatment of disorders associated
PT with the immune, reproductive and cardiovascular systems -
XX
PS Claim 2; Page 139-140; 165pp; English.
XX
CC The present invention provides the protein and coding sequences for 43
CC novel human transport proteins (designated TppTs). These can be used in
CC the diagnosis and treatment of transport, metabolic, neurological,
CC reproductive, cardiovascular and immune disorders, and cell proliferative
CC disorders such as cancer.
XX
SQ Sequence 235 AA;

PR 04-FEB-2000; 2000US-180628P.
PR 24-FEB-2000; 2000US-184664P.
PR 02-MAR-2000; 2000US-186350P.
PR 16-MAR-2000; 2000US-189874P.
PR 17-MAR-2000; 2000US-190076P.
PR 18-APR-2000; 2000US-198123P.
PR 19-MAY-2000; 2000US-205515P.
PR 07-JUN-2000; 2000US-209467P.
PR 28-JUN-2000; 2000US-214886P.
PR 30-JUN-2000; 2000US-215135P.
PR 07-JUL-2000; 2000US-216647P.
PR 07-JUL-2000; 2000US-216880P.
PR 11-JUL-2000; 2000US-217487P.
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PR 14-JUL-2000; 2000US-218290P.
PR 26-JUL-2000; 2000US-220963P.
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PR 22-AUG-2000; 2000US-227182P.
PR 23-AUG-2000; 2000US-227009P.
PR 30-AUG-2000; 2000US-228924P.
PR 01-SEP-2000; 2000US-229287P.
PR 01-SEP-2000; 2000US-229343P.
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PR 12-SEP-2000; 2000US-231968P.
PR 14-SEP-2000; 2000US-232397P.
PR 14-SEP-2000; 2000US-232398P.
PR 14-SEP-2000; 2000US-232399P.
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PR 14-SEP-2000; 2000US-232401P.
PR 14-SEP-2000; 2000US-233063P.
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PR 21-SEP-2000; 2000US-234223P.
PR 21-SEP-2000; 2000US-234274P.
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PR 26-SEP-2000; 2000US-235484P.
PR 27-SEP-2000; 2000US-235834P.
PR 27-SEP-2000; 2000US-235836P.
PR 29-SEP-2000; 2000US-236327P.
PR 29-SEP-2000; 2000US-236367P.
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PR 29-SEP-2000; 2000US-236370P.
PR 02-OCT-2000; 2000US-236802P.
PR 02-OCT-2000; 2000US-237037P.
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PR 02-OCT-2000; 2000US-237039P.
PR 02-OCT-2000; 2000US-237040P.
PR 13-OCT-2000; 2000US-239935P.
PR 13-OCT-2000; 2000US-239937P.
PR 20-OCT-2000; 2000US-240960P.
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PR 20-OCT-2000; 2000US-241787P.
PR 20-OCT-2000; 2000US-241808P.
PR 20-OCT-2000; 2000US-241809P.
PR 20-OCT-2000; 2000US-241826P.
PR 01-NOV-2000; 2000US-244617P.
PR 08-NOV-2000; 2000US-246474P.
PR 08-NOV-2000; 2000US-246475P.
PR 08-NOV-2000; 2000US-246476P.
PR 08-NOV-2000; 2000US-246477P.
PR 08-NOV-2000; 2000US-246478P.
PR 08-NOV-2000; 2000US-246523P.
PR 08-NOV-2000; 2000US-246524P.
PR 08-NOV-2000; 2000US-246525P.
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PR 08-NOV-2000; 2000US-246527P.
PR 08-NOV-2000; 2000US-246528P.
PR 08-NOV-2000; 2000US-246532P.
PR 08-NOV-2000; 2000US-246609P.
PR 08-NOV-2000; 2000US-246610P.
PR 08-NOV-2000; 2000US-246611P.
PR 08-NOV-2000; 2000US-246613P.
PR 17-NOV-2000; 2000US-249207P.
PR 17-NOV-2000; 2000US-249208P.
PR 17-NOV-2000; 2000US-249209P.
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PR 17-NOV-2000; 2000US-249213P.
PR 17-NOV-2000; 2000US-249214P.
PR 17-NOV-2000; 2000US-249215P.
PR 17-NOV-2000; 2000US-249216P.
PR 17-NOV-2000; 2000US-249217P.
PR 17-NOV-2000; 2000US-249218P.
PR 17-NOV-2000; 2000US-249244P.
PR 17-NOV-2000; 2000US-249245P.
PR 17-NOV-2000; 2000US-249264P.
PR 17-NOV-2000; 2000US-249265P.
PR 17-NOV-2000; 2000US-249297P.
PR 17-NOV-2000; 2000US-249299P.
PR 17-NOV-2000; 2000US-249300P.
PR 01-DEC-2000; 2000US-250160P.
PR 01-DEC-2000; 2000US-250391P.
PR 05-DEC-2000; 2000US-251030P.
PR 05-DEC-2000; 2000US-251988P.
PR 05-DEC-2000; 2000US-256719P.
PR 06-DEC-2000; 2000US-251479P.
PR 08-DEC-2000; 2000US-251856P.
PR 08-DEC-2000; 2000US-251868P.
PR 08-DEC-2000; 2000US-251869P.
PR 08-DEC-2000; 2000US-251989P.
PR 08-DEC-2000; 2000US-251990P.
PR 11-DEC-2000; 2000US-254097P.
PR 05-JAN-2001; 2001US-259678P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
DR WPJ; 2001-476161/51.
DR N-PSDB; ABA06545.
XX
PT Isolated nucleic acid molecule encoding an inflammation-associated
PT polypeptide is used in preventing, treating or ameliorating a medical
PT condition

PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249212.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249244.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249264.
 PR 17-NOV-2000; 2000US-0249265.
 PR 17-NOV-2000; 2000US-0249266.
 PR 17-NOV-2000; 2000US-0249267.
 PR 17-NOV-2000; 2000US-0249299.
 PR 17-NOV-2000; 2000US-0249300.
 PR 01-DEC-2000; 2000US-0250160.
 PR 01-DEC-2000; 2000US-0250391.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251988.
 PR 05-DEC-2000; 2000US-0256719.
 PR 06-DEC-2000; 2000US-0251479.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251869.
 PR 08-DEC-2000; 2000US-0251989.
 PR 11-DEC-2000; 2000US-0251990.
 PR 11-DEC-2000; 2000US-0254097.
 PR 05-JAN-2001; 2001US-0259678.
 (HUMA-) HUMAN GENOME SCI INC.
 I Rosen CA, Barash SC, Ruben SM;
 WPI; 2001-457725/49.
 N-PSDB; AAS28785.
 Isolated novel immunoglobulin polypeptide for monitoring the presence
 and progression of diseases and for diagnosis -
 Claim 11; SEQ ID No 142; 551pp; English.
 Sequences AAU17977-AAU18087 represent immunoglobulin polypeptides of the
 invention. The polypeptides and their associated polynucleotides can be
 used to diagnose a pathological condition or a susceptibility to a
 pathological condition in a subject by determining the presence or
 absence of a mutation in a DNA sequence or determining the presence or
 amount of expression of the protein. Alternatively the identification of
 a binding partner to a sequence allows determination of changes in
 protein activity. The sequences can be used as research tools for
 receptors or other signal transduction pathway proteins that interact
 with the polypeptides of the invention and can be used to treat, prevent
 or diagnose various types of disorders such as neurological disorders,
 cardiovascular disorders, gastrointestinal disorders, reproductive
 disorders, immune system disorders, renal disorders, muscular disorders,
 pulmonary disorders, proliferative disorders and cancer.

CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 SQ Sequence 208 AA;
 Query Match 77.2%; Score 942; DB 22; Length 208;
 Best Local Similarity 99.5%; Pred. No. 2.5e-78;
 Matches 181; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 54 FKSTSDVTDKLTIDWTYRPPSSSHYVSIPIHYOSFOYPTTAGTFRDRISHWGNYKGDASI 113
 DB 27 FKSTSDVTDKLTIDWTYRPPSSSHYVSIPIHYOSFOYPTTAGTFRDRISHWGNYKGDASI 86
 QY 114 SISNPTIKDNGTFSCAVKNPPDVHINJPMTELTVTTERGFTMLSSVALLSILVFPVSAYV 173
 DB 87 SISNPTIKDNGTFSCAVKNPPDVHINJPMTELTVTTERGFTMLSSVALLSILVFPVSAYV 146
 QY 174 VALLVLRMGKKAAGLKKRSRGYKKSSIEVSDTDQEEFEACMARLCVRCACLCDSYEE 233
 DB 147 VALLVLRMGKKAAGLKKRSRGYKKSSIEVSDTDQEEFEACMARLCVRCACLCDSYEE 206
 QY 234 TY 235
 DB 207 TY 208
 RESULT 6
 ABB10505
 ID ABB10505 standard; Protein; 173 AA.
 XX ABB10505;
 XX
 DT 10-JAN-2002 (first entry)
 XX
 DE Human cDNA SEQ ID NO: 813.
 KW Human; gene therapy; neural disorder; immune system disorder;
 KW muscular disorder; reproductive disorder; gastrointestinal disorder;
 KW pulmonary disorder; cardiovascular disorder; renal disorder;
 KW proliferative disorder; inflammation.
 OS Homo sapiens.
 XX
 PN WO200154474-A2.
 XX
 PD 02-AUG-2001.
 XX
 PF 17-JAN-2001; 2001WO-US01349.
 XX
 PR 31-JAN-2000; 2000US-179065P.
 PR 04-FEB-2000; 2000US-180628P.
 PR 24-FEB-2000; 2000US-184664P.
 PR 02-MAR-2000; 2000US-186350P.
 PR 16-MAR-2000; 2000US-189874P.
 PR 17-MAR-2000; 2000US-190076P.
 PR 18-APR-2000; 2000US-198123P.
 PR 19-MAY-2000; 2000US-205515P.
 PR 07-JUN-2000; 2000US-209467P.
 PR 28-JUN-2000; 2000US-214886P.
 PR 30-JUL-2000; 2000US-215135P.
 PR 07-JUL-2000; 2000US-216647P.
 PR 07-JUL-2000; 2000US-216880P.
 PR 11-JUL-2000; 2000US-217487P.
 PR 11-JUL-2000; 2000US-217496P.
 PR 14-JUL-2000; 2000US-218290P.
 PR 26-JUL-2000; 2000US-220963P.
 PR 26-JUL-2000; 2000US-220964P.
 PR 14-AUG-2000; 2000US-224518P.
 PR 14-AUG-2000; 2000US-224519P.
 PR 14-AUG-2000; 2000US-225213P.
 PR 14-AUG-2000; 2000US-225214P.
 PR 14-AUG-2000; 2000US-225266P.

PR	14-AUG-2000;	2000US-2252670P;
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PR	14-AUG-2000;	2000US-2252707P;
PR	14-AUG-2000;	2000US-225447P;
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PR	14-AUG-2000;	2000US-2255758P;
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PR	23-AUG-2000;	2000US-227009P;
PR	30-AUG-2000;	2000US-228924P;
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PR	08-NOV-2000;	2000US-246527P;
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PR	08-NOV-2000;	2000US-246532P;
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PR	08-NOV-2000;	2000US-246610P;
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PR	17-NOV-2000;	2000US-249300P;
PR	01-DEC-2000;	2000US-250160P;
PR	01-DEC-2000;	2000US-250393P;
PR	05-DEC-2000;	2000US-251030P;
PR	05-DEC-2000;	2000US-251988P;
PR	05-DEC-2000;	2000US-256719P;
PR	08-DEC-2000;	2000US-251479P;
PR	08-DEC-2000;	2000US-251856P;
PR	08-DEC-2000;	2000US-251868P;
PR	08-DEC-2000;	2000US-251869P;
PR	08-DEC-2000;	2000US-251989P;
PR	08-DEC-2000;	2000US-251990P;
PR	11-DEC-2000;	2000US-254097P;
PR	05-JAN-2001;	2001US-259678P;
XX		
PA	(HUMA-) HUMAN GENOME SCI INC	
XX		
PI	Rosen CA, Barash SC, Ruben	
XX		
DR	WPI; 2001-476161/51.	
DR	N-PSDB; ABA0672/.	
XX		
PT	Isolated nucleic acid molecu	
PT	polypeptide is used in preven	
PT	condition -	
XX		
PS	Claim 11; SEQ ID NO: 813; 85	
XX		
CC	The present invention provid	
CC	DNAs. These can be used in t	
CC	muscular, reproductive, gast	
CC	renal and proliferative disor	
CC	is a protein of the inventio	
XX		
SQ	Sequence 173 AA;	

Best Local Similarity	79.8%	Pred. NO. 3.8E-34;
Matches 138;	Conservative	7; Mismatches 24; Indels 4; Gaps 2;

OY 183 RKAAGLKKRSRGYKSSIEVSDDTQDEEEACMARLCVRCACELDSYEET 235
 DB 121 RKAAGLKKRSRGYKSSIEVSDDTQDEEEACMARLCVRCACELDSYEET 173

RESULT 7

AAU18059
 ID AAU18059 standard; Protein; 173 AA.

AC AAU18059;

DT 07-NOV-2001 (first entry)

DE Human immunoglobulin polypeptide SEQ ID No 204.

KW Immunoglobulin; signal transduction pathway protein; cancer;
 KW antisense therapy; gene therapy; neurological disorder; renal disorder;
 KW cardiovascular disorder; gastrointestinal disorder; pulmonary disorder;
 KW reproductive disorder; immune system disorder; proliferative disorder;
 W muscular disorder.

X Homo sapiens.

XX WO200155315-A2.

XX 02-AUG-2001.

XX 17-JAN-2001; 2001WO-US01326.

XX 31-JAN-2000; 2000US-0179065.

PR 04-FEB-2000; 2000US-0180628.

PR 24-FEB-2000; 2000US-0184664.

PR 02-MAR-2000; 2000US-0186350.

PR 16-MAR-2000; 2000US-0189874.

PR 17-MAR-2000; 2000US-0190076.

PR 18-APR-2000; 2000US-0198123.

PR 19-MAY-2000; 2000US-0205515.

PR 07-JUN-2000; 2000US-0209467.

PR 28-JUN-2000; 2000US-0214886.

PR 30-JUN-2000; 2000US-0215135.

PR 07-JUL-2000; 2000US-0216647.

PR 07-JUL-2000; 2000US-0216880.

PR 11-JUL-2000; 2000US-0217487.

PR 11-JUL-2000; 2000US-0217496.

PR 14-JUL-2000; 2000US-0218290.

PR 26-JUL-2000; 2000US-0220963.

PR 26-JUL-2000; 2000US-0220964.

R 14-AUG-2000; 2000US-0224518.

! 14-AUG-2000; 2000US-0224519.

R 14-AUG-2000; 2000US-0225213.

PR 14-AUG-2000; 2000US-0225214.

PR 14-AUG-2000; 2000US-0225266.

PR 14-AUG-2000; 2000US-0225267.

PR 14-AUG-2000; 2000US-0225268.

PR 14-AUG-2000; 2000US-0225270.

PR 14-AUG-2000; 2000US-0225447.

PR 14-AUG-2000; 2000US-0225757.

PR 14-AUG-2000; 2000US-0225758.

PR 14-AUG-2000; 2000US-0225759.

PR 18-AUG-2000; 2000US-0226279.

PR 22-AUG-2000; 2000US-0226681.

PR 22-AUG-2000; 2000US-0226868.

PR 22-AUG-2000; 2000US-0227182.

PR 23-AUG-2000; 2000US-0227009.

PR 30-AUG-2000; 2000US-0228924.

PR 01-SEP-2000; 2000US-0229287.

PR 01-SEP-2000; 2000US-0229343.

PR 01-SEP-2000; 2000US-0229344.

PR 01-SEP-2000; 2000US-0229345.

PR 05-SEP-2000; 2000US-0229509.

PR 05-SEP-2000; 2000US-0229513.

PR 06-SEP-2000; 2000US-0230437.

PR 06-SEP-2000; 2000US-0230438.
 PR 08-SEP-2000; 2000US-0231242.
 PR 08-SEP-2000; 2000US-0231243.
 PR 08-SEP-2000; 2000US-0231244.
 PR 08-SEP-2000; 2000US-0231413.
 PR 08-SEP-2000; 2000US-0231414.
 PR 08-SEP-2000; 2000US-0232080.
 PR 08-SEP-2000; 2000US-0232081.
 PR 12-SEP-2000; 2000US-0231968.
 PR 14-SEP-2000; 2000US-0232397.
 PR 14-SEP-2000; 2000US-0232398.
 PR 14-SEP-2000; 2000US-0232399.
 PR 14-SEP-2000; 2000US-0232400.
 PR 14-SEP-2000; 2000US-0232401.
 PR 14-SEP-2000; 2000US-0233063.
 PR 14-SEP-2000; 2000US-0233064.
 PR 14-SEP-2000; 2000US-0233065.
 PR 21-SEP-2000; 2000US-0234223.
 PR 21-SEP-2000; 2000US-0234274.
 PR 25-SEP-2000; 2000US-0234997.
 PR 25-SEP-2000; 2000US-0234998.
 PR 26-SEP-2000; 2000US-0235484.
 PR 27-SEP-2000; 2000US-0235834.
 PR 27-SEP-2000; 2000US-0235836.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236367.
 PR 29-SEP-2000; 2000US-0236368.
 PR 29-SEP-2000; 2000US-0236369.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0236802.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 13-OCT-2000; 2000US-0237040.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.
 PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 20-OCT-2000; 2000US-0241826.
 PR 01-NOV-2000; 2000US-0244617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249212.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.

XX AC AAY11619;
 XX DT 16-JUN-1999 (first entry)
 XX DE Human 5' EST secreted protein SEQ ID NO:271.
 XX KW Human; secreted protein; EST; expressed sequence tag; diagnosis;
 KW forensic; gene therapy; chromosome mapping; signal peptide;
 KW upstream regulatory sequence; cytokine activity; cell proliferation;
 KW differentiation; haematopoiesis regulation; tissue growth regulation;
 KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
 KW thrombolytic; anti-inflammatory; tumour inhibition.
 XX OS Homo sapiens.
 XX PN W09506439-A2.
 XX PD 11-FEB-1999.
 XX PP 31-JUL-1998; 98WO-IB01233.
 XX PR 01-AUG-1997; 97US-0904468.
 XX PA (GEST) GENSET.
 XX PI Duclert A, Dumas Milne Edwards J, Lacroix B;
 XX DR WPI: 1999-153700/13.
 XX DR N-PSDB: AAX40337.
 XX PT New nucleic acids encoding human secreted proteins - obtained from
 PT cDNA libraries derived from liver, lung, large intestine, colon,
 PT thyroid and pancreas tissue
 XX PS Claim 27; Page 360; 398pp; English.
 XX CC AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
 CC human secreted proteins, and encode the proteins given in AAY11533 to
 CC AAY11679, respectively. The proteins given represent the signal peptide
 CC and an N-terminal fragment of a secreted protein. The nucleic acid
 CC sequences can be used for producing secreted human gene products. They
 CC can also be used to develop products for diagnosis and therapy. The
 CC proteins obtained may have cytokine activity, cell
 CC proliferation/differentiation activity, haematopoiesis regulating
 CC activity, tissue growth regulating activity, reproductive hormone
 CC regulating activity, chemotactic/chemokinetic activity, haemostatic and
 CC thrombolytic activity, receptor/ligand activity, anti-inflammatory
 CC activity, tumour inhibition activity or other activities. The products
 CC can be used in forensic, gene therapy and chromosome mapping procedures.
 CC The sequences can also be used for obtaining corresponding promoter
 CC sequences. The nucleic acids encoding the signal peptide can be used for
 CC directing extracellular secretion of a polypeptide or the insertion of a
 CC polypeptide into a membrane, or importing a polypeptide into a cell.
 XX Sequence 70 AA;
 SQ Query Match 29.3%; Score 358; DB 20; Length 70;
 Best Local Similarity 100.0%; Pred. No. 2e-25;
 Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MOORGAAGSGRCALFPLGLVLFQGVYTVFSLERADAHVGVGKTKLKCTFKSTSDV 60
 DB 1 MOORGAAGSGRCALFPLGLVLFQGVYTVFSLERADAHVGVGKTKLKCTFKSTSDV 60
 QY 61 TDKLTIDWT 69
 DB 61 TDKLTIDWT 69
 RESULT 10
 AAM52696
 ID AAM52696 standard; Protein; 258 AA.

XX AC AAM52696;
 XX DT 26-FEB-2002 (first entry)
 XX DE Human myelin protein zero (MPZ).
 XX KW Human; myelin protein zero; MPZ; SCZ gene; chromosome 1q22;
 KW schizophrenia; schizoaffective disorder; susceptibility; diagnosis;
 KW polymorphic marker; linkage disequilibrium; APOA2; FCGR1G; FCGR2A;
 KW D1S2675; B426K24T; neuroleptic; gene therapy; drug screening;
 KW in utero screening; Charcot-Marie-Tooth neuropathy.
 XX OS Homo sapiens.
 XX PN W0200180716-A2.
 XX PD 01-NOV-2001.
 XX PP 23-APR-2001; 2001WO-US13012.
 XX PR 21-APR-2000; 2000US-198894P.
 XX PA (RUTF) UNIV RUTGERS STATE NEW JERSEY.
 XX PI Brzustowicz LM, Bassett AS;
 XX DR WPI: 2002-049234/06.
 XX DR N-PSDB: ABA02395.
 XX PT Diagnosing susceptibility to schizophrenia by determining presence of
 PT allele of linked polymorphic marker which is on chromosome 1q22 and is
 PT linked to variant form of SCZ gene associated with schizophrenia
 PT phenotype
 XX PS Claim 20; Page 69; 80pp; English.
 XX CC This sequence represents human myelin protein zero (MPZ) which
 CC is the major structural protein of peripheral myelin. Mutations
 CC in the MPZ gene are known to be associated with Charcot-Marie-Tooth
 CC neuropathy; however, this invention additionally implicates it in
 CC susceptibility to schizophrenia. The MPZ gene is located on chromosome
 CC 1q22, a region thought to be associated with schizophrenia and the
 CC closely related schizoaffective disorder. The invention identifies the
 CC MPZ gene as an SCZ gene, a variant form of which is associated with a
 CC schizophrenia phenotype. The invention relates to a novel method of
 CC diagnosing a patient's susceptibility to schizophrenia. The method
 CC involves determining the presence of an allele of a polymorphic marker
 CC linked to a variant form of an SCZ gene within a segment of chromosome
 CC 1q22 bordered by D1S2705 and D1S1679. The polymorphic marker allele is
 CC in phase with the variant form of SCZ, and its presence indicates a
 CC susceptibility to schizophrenia and related disorders. The polymorphic
 CC marker is APOA2, FCGR1G, FCGR2A, D1S2675, or preferably H426K24T. The
 CC invention also relates to a method for determining an alteration in
 CC an SCZ promoter sequence, where the alteration is associated with a
 CC schizophrenic condition, and a method for assessing a test compound for
 CC its ability to modulate the activity of an SCZ protein. The methods of
 CC the invention are useful for diagnosing schizophrenia or schizoaffective
 CC disorder, or a susceptibility to these conditions in a patient using a
 CC saliva, blood or buccal mucosal cell sample. The MPZ proteins and
 CC nucleotides have neuroleptic activity and may be used in gene therapy,
 CC and MPZ protein modulating compounds may be useful in the treatment of
 CC schizophrenia and related disorders. The invention also provides a highly
 CC accurate assay for in utero screening of foetuses for the presence of
 CC a variant SCZ allele, which will enable the administration of appropriate
 CC treatment at an early stage.
 XX Sequence 258 AA;
 SQ Query Match 22.3%; Score 272; DB 23; Length 258;
 Best Local Similarity 34.3%; Pred. No. 8.3e-17;
 Matches 69; Conservative 32; Mismatches 76; Indels 24; Gaps 6;

QY 6 AAGSRGCAFPPLGLVLFQGVYI--VFSLEIRADAHVRGVYGEKIKLKCTFKSTSDVTDK 63
 DB 12 APGAPSSSPPIAVILFSSVLSPAQAIVVYTDREYHGVAGSRVTLHCSFWSSEWSD 71
 QY 64 LTIDMTYRPPSSSHYVSIHYQSFO-YPTTAGTFRDRISWGVNRYKGDASISISNPTIKD 122
 DB 72 ISFTWRYPEGGRDALSIFHYAKGQPIDEVGTFKERIQWVCDPRKNGDSIVIHNLDSYD 131
 QY 123 NGTFSCAVKNPPDVHHNIPMTETLTVTER---GFGTMLS-----VALLSILVFPVSAV 172
 DB 132 NGTFTCDVKNPPDIVGKTSQVTLVFEKVPTRYGVVIGAVIGVGLVGLVLLLLLF----- 186
 QY 173 VVALLVVRMG--RKAAGLKKR 191
 DB 187 ----YVRYCWLRRQAALORR 203
 RESULT 11
 AAW94567
 ID AAW94567 standard; protein; 248 AA.
 XX
 AC AAW94567;
 DT 26-APR-1999 (first entry)
 XX
 DE Mouse major peripheral myelin protein zero precursor.
 XX
 KW Mouse; major peripheral myelin protein zero; Po; MPP; Pzero; vaccine;
 KW prophylaxis; autoimmune inner ear disease; deafness; otosclerosis;
 .KW sensorineural hearing loss; Meniere's disease.
 XX
 OS Mus sp.
 XX
 PN WO9732598-A2.
 XX
 PD 12-SEP-1997.
 XX
 PF 28-FEB-1997; 97WO-EP01003.
 XX
 PR 12-MAR-1996; 96GB-0005229.
 PR 04-MAR-1996; 96GB-0004595.
 XX
 PA (SMIK J) SMITHKLINE BECHAM BIOLOGICALS.
 PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
 XX
 PI Gersdorff M, Rousseau G, Thomasi J;
 XX
 DR WPI; 1997-457315/42.
 XX
 PT Using major myelin protein zero in vaccines for auto-immune inner
 PT ear disease - e.g. sensorineural hearing loss, sudden deafness
 PT otosclerosis and Meniere's disease and especially to treat
 PT associated deafness, and diagnostic methods
 XX
 PS Disclosure; Page 9; 15pp; English.
 XX
 CC The present invention describes the use of major myelin protein zero
 CC (Po) in a vaccine. Certain inner ear diseases, e.g. sensorineural
 CC hearing loss, sudden deafness otosclerosis and Meniere's disease, appear
 CC to be of autoimmune origin and a 30 kDa protein present in guinea pig
 CC inner ear is known to be recognised by autoantibodies in sera from
 CC patients with inner ear disease. The identification of this protein as
 CC Po indicates that Po may be an important auto-antigen in the pathogenesis
 CC of autoimmune disease and may be useful for diagnosis, treatment or
 CC prevention of autoimmune inner ear disease. A vaccine can be produced by
 CC combining Po with a pharmaceutically acceptable carrier, particularly
 CC for the treatment of autoimmune inner ear disease and associated
 CC deafness. Po can be used to provide immunoassays and kits for detecting
 CC antibodies directed against Po antigen, by contacting a biological
 CC sample with a polypeptide comprising an antigenic determinant of Po
 CC under suitable conditions and detecting antibody-antigen complexes. It
 CC can also be used to produce such a polypeptide attached to a solid
 CC substrate. The present sequence represents mouse Po protein precursor

CC given in the present invention.
 XX
 SQ Sequence 248 AA;
 Query Match 20.2%; Score 247; DB J8; Length 248;
 Best Local Similarity 30.7%; Pred. No. 1.5e-14;
 Matches 67; Conservative 35; Mismatches 88; Indels 28; Caps 7;
 QY 6 AAGSRGCAFPPLGLVLFQGVYI--VFSLEIRADAHVRGVYGEKIKLKCTFKSTSDVTDK 63
 DB 2 APGAPSSSPPIAAALLFSSVLSPAQAIVVYTDREYHGVAGSQVTLHCSFWSSEWSD 61
 QY 64 LTIDMTYRPPSSSHYVSIHYQSFO-YPTTAGTFRDRISWGVNRYKGDASISISNPTIKD 122
 DB 62 ISFTWRYPEGGRDALSIFHYAKGQPIDEVGAFKERIQWVCDPRKNGDSIVIHNLDSYD 121
 QY 123 NGTFSCAVKNPPDVHHNIPMTETLTVTER---GFGTMLS-----VALLSILVFPVSAV 172
 DB 122 NGTFTCDVKNPPDIVGKTSQVTLVFEKVPTRYGVVIGAVIGVGLVGLVLLLLLF----- 176
 QY 173 VVALLVVRMG--RKAAGLKKR----SRSGYKKSIEVS 204
 DB 177 ----YLIJRYCWLRRQAALORRLSAMEKEKGRPHKSSKDSS 210
 RESULT 12
 AAY41673
 ID AAY41673 standard; Protein; 215 AA.
 XX
 AC AAY41673;
 XX
 DT 06-DEC-1999 (first entry)
 XX
 DE Human channel-related molecule HCRM-1.
 XX
 KW Human; channel-related molecule; HCRM; diagnosis; cell proliferation;
 KW transport disorder.
 XX
 OS Homo sapiens.
 XX
 PN WO9943807-A2.
 XX
 PD 02-SEP-1999.
 XX
 PF 08-FEB-1999; 99WO-US02739.
 XX
 PR 25-FEB-1998; 98US-0030747.
 XX
 PA (INCY-) INCYTE PHARM INC.
 XX
 PI Bandman O, Yue H, Lal P, Corley NC, Au-Young J, Tang YT;
 PI Baughn MK;
 XX
 DR WPI; 1999-540588/45.
 DR N-PSDB; AAZ25016.
 XX
 PT New human channel-related molecules 1-3, useful for e.g. diagnosis,
 PT prevention and treatment of cell proliferative and transport disorders
 .XX
 PS Claim 1; Page 74; 79pp; English.
 XX
 CC The present sequence represents the human channel-related molecule (HCRM)
 CC designated HCRM-1. HCRM nucleic acids and proteins can be used for the
 CC diagnosis, prevention and treatment of cell proliferative and transport
 CC disorders.
 XX
 SQ Sequence 215 AA;
 Query Match 19.6%; Score 239.5; DB 20; Length 215;
 Best Local Similarity 30.5%; Pred. No. 6.2e-14;
 Matches 68; Conservative 33; Mismatches 93; Indels 29; Caps 6;
 QY 5 GAAGSRGCAFPPLGLVLFQGVYIVFSLEIRADAHVRGVYGEKIKLKCTFKSTSDVTDK 164

Db 3 GKSTR--AVLLLLGIG-LTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFPAPVGDAL 59
 QY 65 TIDWYRPPSSHTVSIPIHYOSFOYPTTACTFRDRISWGVNKKGDASISISNPTIKDNG 124
 Db 60 TVTNFRPLDGGPEQVFYHYIDPFGMSGRFKDRVSWGDNPNRYDASILLKWLQFDND 119
 QY 125 TFCVAVKNNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSADV 173
 Db 120 TYTCQVKNPPDVGIVGEJRLSVVHVVFSEIHFLALAIG---SACALMIIVIV---VV 172
 QY 174 VALLVVRMGKKAAGL-----KKRSRGYKKSSEVSDDDTD 208
 Db 173 VLFQHYRKRRAEIRAHVVEIKSKEERLNQEKVSVYLEDTD 215

RESULT 13

AAB33448

AB33448 standard: Protein; 215 AA.

AAB33448:

29-JAN-2001 (first entry)

Human PRO1192 protein UNQ606 SEQ ID NO:163.

Human; immune related disease; diagnosis; antiinflammatory; cardiant;
 dermatological; antiarthritic; antirheumatic; immunosuppressive;
 haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;
 antanaemic; hepatotropic; virucide; antipsoriatic; antiallergic;
 osteoarthritis; spondyloarthritis; systemic sclerosis; sarcoidosis;
 idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
 systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
 autoimmune thrombocytopaenia; immune-mediated renal disease;
 demyelinating disease; hepatobiliary disease; Whipple's disease;
 inflammatory bowel disease; gluten-sensitive enteropathy;
 autoimmune disease; immune-mediated skin disease; allergic disease;
 immunological disease; transplantation associated disease;
 graft rejection; graft-versus-host-disease.

OS Homo sapiens.

XX WO200053758-A2.

XX 14-SEP-2000.

XX 02-MAR-2000; 2000WO-US05841.

XX 08-MAR-1999; 99WO-US05028.
 PR 10-MAR-1999; 99US-0123618.
 PR 12-MAR-1999; 99US-0123957.
 PR 23-MAR-1999; 99US-0125775.
 PR 12-APR-1999; 99US-0128849.
 PR 20-APR-1999; 99WO-US08615.
 PR 28-APR-1999; 99US-0133445.
 PR 04-MAY-1999; 99US-0133371.
 PR 14-MAY-1999; 99US-0134287.
 PR 02-JUN-1999; 99WO-US12252.
 PR 23-JUN-1999; 99US-0141037.
 PR 26-JUL-1999; 99US-0145698.
 PR 28-JUL-1999; 99US-0146222.
 PR 01-SEP-1999; 99WO-US20111.
 PR 08-SEP-1999; 99WO-US20594.
 PR 13-SEP-1999; 99WO-US20944.
 PR 15-SEP-1999; 99WO-US21090.
 PR 15-SEP-1999; 99WO-US21547.
 PR 05-OCT-1999; 99WO-US23089.
 PR 29-OCT-1999; 99US-0162506.
 PR 29-NOV-1999; 99WO-US28214.
 PR 30-NOV-1999; 99WO-US28313.
 PR 30-NOV-1999; 99WO-US28409.

PR 01-DEC-1999; 99WO-US28301.
 PR 01-DEC-1999; 99WO-US28634.
 PR 02-DEC-1999; 99WO-US28551.
 PR 02-DEC-1999; 99WO-US28564.
 PR 02-DEC-1999; 99WO-US28565.
 PR 16-DEC-1999; 99WO-US30095.
 PR 20-DEC-1999; 99WO-US30999.
 PR 30-DEC-1999; 99WO-US31274.
 PR 05-JAN-2000; 2000WO-US00219.
 PR 06-JAN-2000; 2000WO-US00277.
 PR 11-FEB-2000; 2000WO-US00376.
 PR 18-FEB-2000; 2000WO-US03565.
 PR 18-FEB-2000; 2000WO-US04341.
 PR 22-FEB-2000; 2000WO-US04342.
 PR 22-FEB-2000; 2000WO-US04414.
 XX
 PA (GETH) GENENTECH INC.
 XX
 XX Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;
 PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;
 PI Stewart JA, Tumas D, Watanabe CK, Wood WI, Yan M;
 XX
 XX WPI: 2000-572271/53.
 DR N-PSDB; AAC58613.
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Query Match 19.6%; Score 239.5; DB 21; Length 215;

Best Local Similarity 30.5%; Pred. No. 6.2e-14;

Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

QY 5 GAAGSRGCALFPLLGLVLFQGVYVIFSLERADAHVGVGVGKIKCTCFKSTSDVTDKL 64

Db 3 GKSTR--AVLLLLGIG-LTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFPAPVGDAL 59

QY 65 TIDWYRPPSSHTVSIPIHYOSFOYPTTACTFRDRISWGVNKKGDASISISNPTIKDNG 124

Db 60 TVTNFRPLDGGPEQVFYHYIDPFGMSGRFKDRVSWGDNPNRYDASILLKWLQFDND 119

QY 125 TFCVAVKNNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSADV 173

Db 120 TYTCQVKNPPDVGIVGEJRLSVVHVVFSEIHFLALAIG---SACALMIIVIV---VV 172

QY 174 VALLVVRMGKKAAGL-----KKRSRGYKKSSEVSDDDTD 208

Db 173 VLFQHYRKRRAEIRAHVVEIKSKEERLNQEKVSVYLEDTD 215

XX

RESULT 14
AAY66752
ID AAY66752 standard; protein: 215 AA.
XX AC AAY66752;
XX DT 05-APR-2000 (first entry)
XX DE Membrane-bound protein PRO1192.
XX KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX OS Homo sapiens.
XX PN WO9963088-A2.
XX PD 09-DEC-1999.
XX PF 02-JUN-1999; 99NO-US12252.
XX PR 02-JUN-1998; 98US-0087607.
PR 02-JUN-1998; 98US-0087609.
PR 02-JUN-1998; 98US-0087759.
PR 03-JUN-1998; 98US-0087827.
PR 04-JUN-1998; 98US-0088021.
PR 04-JUN-1998; 98US-0088025.
PR 04-JUN-1998; 98US-0088028.
PR 04-JUN-1998; 98US-0088029.
PR 04-JUN-1998; 98US-0088030.
PR 04-JUN-1998; 98US-0088033.
PR 04-JUN-1998; 98US-0088326.
PR 05-JUN-1998; 98US-0088167.
PR 05-JUN-1998; 98US-0088202.
PR 05-JUN-1998; 98US-0088212.
PR 05-JUN-1998; 98US-0088217.
PR 09-JUN-1998; 98US-0088655.
PR 10-JUN-1998; 98US-0088722.
PR 10-JUN-1998; 98US-0088730.
PR 10-JUN-1998; 98US-0088734.
PR 10-JUN-1998; 98US-0088738.
PR 10-JUN-1998; 98US-0088740.
PR 10-JUN-1998; 98US-0088741.
PR 10-JUN-1998; 98US-0088742.
PR 10-JUN-1998; 98US-0088810.
PR 10-JUN-1998; 98US-0088811.
PR 10-JUN-1998; 98US-0088824.
PR 10-JUN-1998; 98US-0088825.
PR 10-JUN-1998; 98US-0088826.
PR 11-JUN-1998; 98US-0088858.
PR 11-JUN-1998; 98US-0088861.
PR 11-JUN-1998; 98US-0088863.
PR 11-JUN-1998; 98US-0088867.
PR 12-JUN-1998; 98US-0089090.
PR 12-JUN-1998; 98US-0089105.
PR 16-JUN-1998; 98US-0089440.
PR 16-JUN-1998; 98US-0089512.
PR 16-JUN-1998; 98US-0089514.
PR 17-JUN-1998; 98US-0089532.
PR 17-JUN-1998; 98US-0089538.
PR 17-JUN-1998; 98US-0089598.
PR 17-JUN-1998; 98US-0089599.
PR 17-JUN-1998; 98US-0089600.
PR 17-JUN-1998; 98US-0089653.
PR 18-JUN-1998; 98US-0089801.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 22-JUN-1998; 98US-0090254.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090444.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090461.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 24-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090676.
PR 25-JUN-1998; 98US-0090678.
PR 25-JUN-1998; 98US-0090688.
PR 25-JUN-1998; 98US-0090690.
PR 25-JUN-1998; 98US-0090691.
PR 25-JUN-1998; 98US-0090694.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090696.
PR 26-JUN-1998; 98US-0090862.
PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091544.
PR 02-JUL-1998; 98US-0091478.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091626.
PR 02-JUL-1998; 98US-0091628.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 02-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0091982.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0092472.
PR 20-JUL-1998; 98US-0093339.
PR 30-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.

CC to factor VIIA. The PRO polypeptides can be used in assays to identify
CC molecules involved in binding interactions. The polynucleotides encoding
CC PRO polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy.

XX	Sequence	215 AA;
50	Query Match	19.6%; Score 239.5; DB 22; Length 215;
	Best Local Similarity	30.5%; Pred. No. 6.2e-14;
	Matches	68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;
Qy	5	GAAGSRCAIPPLGLGVLFQGVIVFSLEIRADAHVRGYGCEIKLKCTFKSTSDVTDKL 64
Db	3	GKSSTR--AVLLLLGIGI-LTALWPAAAVEIYTSRVLEAVNGTDARLKCTFSSFAPVGDAL 59
Qy	65	TIDWYRPPSSSHTSIFHYOSFOYPTTACTFRDRISWGVNKGDSISISNPTIKDNG 124
Db	60	TVTWNFRPLDGGPEQVFYVYHIDPFQPMGRFKDRVSDGNPERYDASILLWKLOFDDNG 119
Qy	125	TFSCAVKNPPDVH-----HNIPMTLTVTERGFGTMTLSSVALLSILVFVPSAVV 173
Db	120	TYTCOVKNPPDVGIVGIELRSLVSVHTVRFSEIHFLALAIG--SACALMILIVI----VV 172
Qy	174	VALLVVMGRKAAGL-----KKRSRGYKXSSIEVSDTD 208
Db	173	VLFOHYRKRKRAERAKHAKVWEIKSKEERLNOEKKVSVLEDTD 215

Search completed: March 19, 2003, 11:29:14
Job time : 38 secs

GenCore version 5.1.4.p5.4578
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2003, 02:16:41 : Search time 275 Seconds
(without alignments)
7943.412 Million cell updates/sec

Title: US-10-009-328-84
Perfect score: 970
Sequence: 1 ggatcagcagagagagca.....tgtaattgaatgaagaatac 970

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2185239 seqs, 112599159 residues

Total number of hits satisfying chosen parameters: 4370478

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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4:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1983.DAT:*		
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24:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA2002.DAT:*		

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	970	100.0	970	22	AAF27741 Human transport pr
2	969	99.9	983	22	AAO202925 Human PRO7425 cDNA
3	969	99.9	983	24	ABK33654 cDNA encoding huma
4	808.8	83.4	4047	22	AAS28785 Human immunoglobul
5	805.2	83.0	3802	22	ABA06545 Human cDNA SEQ ID
6	665.2	68.6	836	22	ABA06727 Human cDNA SEQ ID
7	665.2	68.6	836	22	AAS28847 Human immunoglobul
8	289.2	29.8	342	20	AAK40553 Human secreted pro
9	209.4	21.6	316	20	AAK40337 Human secreted pro

10	75	7.7	1553	21	AAZ97082	Human secreted pro
11	67.4	6.9	1219	20	AAZ25016	Human channel-rela
12	67.4	6.9	1371	21	AAC58613	Human PRO1192 prot
13	67.4	6.9	1371	21	AAZ65098	Membrane-bound pro
14	67.4	6.9	1371	22	AAS21487	Human cDNA sequenc
15	67.4	6.9	1371	22	AAF44244	Human PRO1192 (UNQ
16	67.4	6.9	1371	24	ABL95653	Human angiogenesis
17	67.4	6.9	1371	24	ABL88164	Human PRO1192 cDNA
18	67.4	6.9	1371	24	ABK33619	cDNA encoding huma
19	67.4	6.9	2087	23	ABV24837	Human prostate exp
20	61.8	6.4	1145	20	AAZ00456	Human secreted pro
21	52	5.4	777	24	ABA02395	Human myelin prote
22	50.8	5.2	5108	22	ABA17469	Human nervous syst
23	50.8	5.2	5108	22	ABA17470	Human nervous syst
24	48.4	5.0	1073	24	ABK51046	Mouse cDNA encodin
25	45	4.6	1073	24	ABK51048	Mouse cDNA encodin
26	43.4	4.5	1073	24	ABK51047	Mouse cDNA encodin
27	43.4	4.5	1073	24	ABK51049	Mouse cDNA encodin
28	42.6	4.4	480	24	ABK51050	Human protein zero
29	42.6	4.4	480	24	ABK51051	Human protein zero
30	42.6	4.4	480	24	ABK51052	Human protein zero
31	42.6	4.4	480	24	ABK51053	Human protein zero
32	42.6	4.4	600	24	ABK51054	Human protein zero
33	42.6	4.4	600	24	ABK51055	Human protein zero
34	42.6	4.4	600	24	ABK51056	Human protein zero
35	42.6	4.4	600	24	ABK51057	Human protein zero
36	42.6	4.4	752	24	ABK51042	Human protein zero
37	42.6	4.4	752	24	ABK51043	Human protein zero
38	42.6	4.4	752	24	ABK51044	Human protein zero
39	42.6	4.4	752	24	ABK51045	Human protein zero
40	42.6	4.4	1151	24	ABK51034	Human cDNA encodin
41	42.6	4.4	1151	24	ABK51035	Human cDNA encodin
42	42.6	4.4	1151	24	ABK51036	Human cDNA encodin
43	42.6	4.4	1151	24	ABK51037	Human cDNA encodin
44	42.6	4.4	1776	21	AAK37127	Human PRO1787 (UNQ
45	42.6	4.4	1777	22	AAS21508	Human cDNA sequenc

ALIGNMENTS

RESULT 1
AAF27741
ID AAF27741 standard; cDNA: 970 BP.

XX AAF27741:

AC AAF27741:

XX 28-MAR-2001 (first entry)

XX Human transport protein TPPT-41 coding sequence.
XX Human; transport protein: TPPT; transport disorder; metabolic disorder;
XX neurological disorder; cardiovascular disorder; reproductive disorder;
XX immune disorder; cancer; ss.

XX Homo sapiens.

XX WO200078953-A2.

XX 28-DEC-2000.

XX 16-JUN-2000; 2000WO-US16668.

XX 17-JUN-1999; 99US-0139923.

XX 10-AUG-1999; 99US-0148177.

XX 18-AUG-1999; 99US-0149357.

XX 28-OCT-1999; 99US-0162287.

XX (INCY-) INCYTE GENOMICS INC.

XX Lal P, Yang J, Yue H, Hillman JL, Tang YT, Bandman O, Burford N;
PI Baughn MK, Azimzai Y, Lu DAM, Au-Young J, Patterson C;
XX

DR WPI; 2001-041424/05.
DR P-PSDB; AAB60121.

Isolated polypeptide with a human transport protein sequence is useful for the diagnosis, prevention and treatment of disorders associated with the immune, reproductive and cardiovascular systems -

PS Claim 5; Page 165; 165pp; English.

The present invention provides the protein and coding sequences for 43 novel human transport proteins (designated TPTs). These can be used in the diagnosis and treatment of transport, metabolic, neurological, reproductive, cardiovascular and immune disorders, and cell proliferative disorders such as cancer.

Sequence 970 BP; 261 A; 209 C; 243 G; 257 T; 0 other;
XX

Query Match	100.0%	Score 970;	DB 22;	Length 970;
Best Local Similarity	100.0%	Pred. No. 1.3e-295;		
Matches 970; Conservative	0;	Mismatches	0;	Gaps 0;
		Indels	0;	

Oy	1	GGATGCAGCAGAGAGGAGCAGCTGGAAGCCGTGGCTGCGCTCTCTTCCTCTGCTGGGCG	60
Db	1	GGATGCAGCAGAGAGGAGCAGCTGGAAGCCGTGGCTGCGCTCTCTTCCTCTGCTGGGCG	60
Oy	61	TCCTGTTCTTCCAGGGTGTATATCGTCTTTTCCTTGGAGATTCGTGCGAGATGCCCATG	120
Db	61	TCCTGTTCTTCCAGGGTGTATATCGTCTTTTCCTTGGAGATTCGTGCGAGATGCCCATG	120
Oy	121	TCCGAGGTTATGTTGGAGAAAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTTCAGATG	180
Db	121	TCCGAGGTTATGTTGGAGAAAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTTCAGATG	180
Oy	181	TCACTGACAGACTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT	240
Db	181	TCACTGACAGACTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT	240
Oy	241	CAATATTTCAATTTATTCAGTCTTTCAGTACCCCAACCACAGCAGGCACATTTCCGGATCGGA	300
Db	241	CAATATTTCAATTTATTCAGTCTTTCAGTACCCCAACCACAGCAGGCACATTTCCGGATCGGA	300
Oy	301	TTTCCCTGGTGGAAATGTTATCAAAAGGGATGCATCTATAAGTATAAGCAACCCCTACCA	360
Db	301	TTTCCCTGGTGGAAATGTTATCAAAAGGGATGCATCTATAAGTATAAGCAACCCCTACCA	360
Oy	361	TAAAGGCAATGGGACATTCAGCTGCTGCTGGAAGAATCCCCCAGATGTGCACCATATA	420
Db	361	TAAAGGCAATGGGACATTCAGCTGCTGCTGGAAGAATCCCCCAGATGTGCACCATATA	420
.y	421	TTCCCATGACAGACTAACAGTACAGAAAGGGGTTTTGGCACCATGCTTTCCTGTGG	480
Db	421	TTCCCATGACAGACTAACAGTACAGAAAGGGGTTTTGGCACCATGCTTTCCTGTGG	480
Oy	481	CCCTTCTTCCATCCTTGTCTTGTGTCCTCAGCCGTGGTGGTGTCTGCTGCTGTGTGA	540
Db	481	CCCTTCTTCCATCCTTGTCTTGTGTCCTCAGCCGTGGTGGTGTCTGCTGCTGTGTGA	540
Oy	541	GAATGGGAGGAAGGCTGCTGGGCTGAAGAGAGGAGCAGGCTCTGGCTATAGAAGTCAT	600
Db	541	GAATGGGAGGAAGGCTGCTGGGCTGAAGAGAGGAGCAGGCTCTGGCTATAGAAGTCAT	600
Oy	601	CTATTGAGGTTTCCGATCACACTCATCAGGAGGAGGAGGCGCTGTATGCCGAGGCTTT	660
Db	601	CTATTGAGGTTTCCGATCACACTCATCAGGAGGAGGAGGCGCTGTATGCCGAGGCTTT	660
Oy	661	GTCTCCGCTGCGCTGAGTGCCTGGATTTCAGACTATGAAGAGACATATTGATGAAGTCTG	720
Db	661	GTCTCCGCTGCGCTGAGTGCCTGGATTTCAGACTATGAAGAGACATATTGATGAAGTCTG	720
Oy	721	TATGACACAGAGAGTCACTTAAGACAGAAACATCCCATTCACCTGGCAGCTAAAG	780
Db	721	TATGACACAGAGAGTCACTTAAGACAGAAACATCCCATTCACCTGGCAGCTAAAG	780

Qy	781	CTGT	CAGAGAAAGTCGAGCTGGCTGGACCATAGCGATGGCAATCTCTGAGATCATCAG	840
Db	781	CTGT	CAGAGAAAGTCGAGCTGGCTGGACCATAGCGATGGCAATCTCTGAGATCATCAG	840
Qy	841	TAAAGACTTT	TAGGAACACATTTATTTGAATAAATGTTCTTGTGTATTTATAAACTGT	900
Db	841	TAAAGACTTT	TAGGAACACATTTATTTGAATAAATGTTCTTGTGTATTTATAAACTGT	900
Qy	901	TCAGGAA	GTCATCATTAAGAGACTCATGACTTCTCCCTTTCGAATGAATATGCTGTAAATTGAA	960
Db	901	TCAGGAA	GTCATCATTAAGAGACTCATGACTTCTCCCTTTCGAATGAATATGCTGTAAATTGAA	960
Qy	961	TGAAGAAATC	970	
Db	961	TGAAGAAATC	970	

RESULT 2
AAD02925
ID AAD02925 standard: CDNA: 983 RP.

Human PRO7425 cDNA (DNA108792-2753).

Human: PRO7425; antiinflammatory; dermatological; immunosuppressive;
anti rheumatic; antirheumatic; osteopathic; antianemic; haemostatic;
antithyroid; antidiabetic; antiviral; antipsoriatic; antiallergic;
antiashmatic; inhibitor; therapy; systemic lupus erythematosus;
spontaneous; systemic sclerosis; systemic vasculitis;
sarcoidosis; idiopathic inflammatory myopathy; Sjogren's syndrome;
autoimmune thrombocytopenia; immune-mediated renal disease; hepatitis;
demyelinating polynuropathy; Guillain-Barre syndrome; Whipple's disease;
hepatobiliary disease; primary biliary cirrhosis; sclerosing cholangitis;
inflammatory bowel disease; gluten-sensitive enteropathy; skin disease;
allergic rhinitis; atopic dermatitis; food hypersensitivity; urticaria;
eosinophilic pneumonia; hypersensitivity pneumonitis; graft rejection;
idiopathic pulmonary fibrosis; graft-versus-host-disease; ss.

XX
OS
Homo sapiens.

AA	Key	Location/Qualifiers
FH	CDS	3..710
FT		/*tag= a
FT		/product= "Human PR07425 protein"
FT		

XX WO200116319-A2
PN

XX
PD
08-MAR-2001

23-AUG-2000: 2000WO-US23522.

XX
PR 31-AUG-1999; 99US-0151733.

PR	31-AUG-1999;	99US-0131/33.
PR	01-SEP-1999;	99WO-US20111.

PR 16-DEC-1999; 99WO-US30095..

PR 18-FEB-2000; 2000WC-US04342.

PR 01-MAR-2000; 2000WC-US05601.

PR 30-MAK-2000; 2000WO-US08439.
PR 17-MAK-2000; 2000WO-US13705

PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042

PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.

PR 30-MAY-2000; 2000WG-US1494J.
PR 05-JUN-2000; 2000US-0209832.

XX
FF
02 JUN 2000, 200002Z
ZCZC

PA (GETH) GENENTECH INC.

PI Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Thomas D;

PI Watanabe CK, Wood WI;

XX
XX

DR WPI; 2001-226690/

DR Y

PT New PRO polypeptides for treating immune related and inflammatory
PT diseases such as rheumatoid arthritis, systemic vasculitis, asthma,
PT autoimmune hemolytic anemia, and diabetes mellitus -
XX
PS Claim 2; Fig 11; 118pp; English.
XX
CC The present sequence is a cDNA (DNA108792-2753 clone) encoding PRO7425
CC protein. PRO protein, its agonist or antagonist or its antibody which
CC are capable of enhancing or inhibiting the proliferation of T-lymphocytes
CC or of increasing the infiltration of inflammatory cells into a tissue
CC are useful in the diagnosis and treatment of immune-related diseases
CC in mammals. The PRO protein is useful for treating systemic lupus
CC erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
CC arthritis, spondyloarthritis, systemic sclerosis, idiopathic
CC inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
CC sarcoidosis, autoimmune hemolytic anemia, autoimmune thrombocytopenia,
CC thyroiditis, diabetes mellitus, immune-mediated renal disease,
CC demyelinating disease of the central or peripheral nervous system,
CC idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome,
CC chronic inflammatory demyelinating polyneuropathy, hepatobiliary
CC disease, infectious or autoimmune chronic active hepatitis, primary
CC biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
CC inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
CC disease, autoimmune or immune-mediated skin diseases such as bullous
CC skin disease, erythema multiforme and contact dermatitis, psoriasis,
CC allergic diseases such as asthma, allergic rhinitis, atopic dermatitis,
CC food hypersensitivity and urticaria, immunologic diseases of the lung
CC such as eosinophilic pneumonias, idiopathic pulmonary fibrosis, hyper-
CC sensitivity pneumonitis, transplantation associated diseases such as
CC graft rejection or graft-versus-host-disease.
XX
SQ Sequence 983 BP; 263 A; 212 C; 245 G; 263 T; 0 other;

Query Match 99.9%; Score 969; DB 22; Length 983;
Best Local Similarity 100.0%; Pred. No. 2.6e-295;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 GGATGCAGCAGAGGAGCAGCTGGAAGCGTGGCTGCTCTCCCTCTGCTGGCG 60
QY 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTGGAGATTCGTGCGATGCCATG 120
DB 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTGGAGATTCGTGCGATGCCATG 120
QY 121 TCCAGGTTATGTTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCACTTCAGATG 180
DB 121 TCCAGGTTATGTTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCACTTCAGATG 180
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DB 181 TCACGTACAAGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
QY 241 CAATATTTCATATATAGCTTTCCAGTACCAACACAGCAGGACATTTTCGGATCGGA 300
DB 241 CAATATTTCATATATAGCTTTCCAGTACCAACACAGCAGGACATTTTCGGATCGGA 300
QY 301 TTTCTGGTTGGAATGTATACAAAGGGGATGATCTATTAAGTATAGCAACCTACCA 360
DB 301 TTTCTGGTTGGAATGTATACAAAGGGGATGATCTATTAAGTATAGCAACCTACCA 360
QY 361 TAAAGCAATAGGACATTCAGCTGTGCTGTGAAGAATCCCCAGATGTGCACCATATA 420
DB 361 TAAAGCAATAGGACATTCAGCTGTGCTGTGAAGAATCCCCAGATGTGCACCATATA 420
QY 421 TTCCCATGACAGAGCTAACAGTTCACAGAAAGGGGTTTTGGCACCATGCTTTCCCTCTGTGG 480
DB 421 TTCCCATGACAGAGCTAACAGTTCACAGAAAGGGGTTTTGGCACCATGCTTTCCCTCTGTGG 480
QY 481 CCCTTCCTTTCCATCCCTGCTTTTGGCCCTCAGCCGTTGGTGTCTGTCTGTCTGTGTGA 540
DB 481 CCCTTCCTTTCCATCCCTGCTTTTGGCCCTCAGCCGTTGGTGTCTGTCTGTCTGTGTGA 540

QY 541 GAATGGGAGCAAGGCTGCTGGCTGAAGAAGAGAGAGCTCTGGCTATTAAGAAGTCTAT 600
DB 541 GAATGGGAGCAAGGCTGCTGGCTGAAGAAGAGAGAGAGCTCTGGCTATTAAGAAGTCTAT 600
QY 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGTATGGCAGGCTTTT 660
DB 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGTATGGCAGGCTTTT 660
QY 661 GTGTCCTGCTGGCTGAGTGCCTGCATTCAGACTATGAAGACATATTTGATCAAAAGTCTG 720
DB 661 GTGTCCTGCTGGCTGAGTGCCTGCATTCAGACTATGAAGACATATTTGATCAAAAGTCTG 720
QY 721 TATGACACAAAGAGTCACTTAAAGCAGGAGAAACATCCCATTCACCTGGCAGCTTAAAGC 780
DB 721 TATGACACAAAGAGTCACTTAAAGCAGGAGAAACATCCCATTCACCTGGCAGCTTAAAGC 780
QY 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGGAGATGAGCAATTCCTGGAGATCATCAG 840
DB 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGGAGATGAGCAATTCCTGGAGATCATCAG 840
QY 841 TAAAGACTTTTAGGAACCACTTATTTATTTGAATAAATGTTCTTGTGTATTTTATAAAGTGT 900
DB 841 TAAAGACTTTTAGGAACCACTTATTTATTTGAATAAATGTTCTTGTGTATTTTATAAAGTGT 900
QY 901 TCAGGAAAGTCTCATTAAGAGACTCATGACTTCCCTTTTCAATGAATATTCGTGTAATGAA 960
DB 901 TCAGGAAAGTCTCATTAAGAGACTCATGACTTCCCTTTTCAATGAATATTCGTGTAATGAA 960
QY 961 TGAAGAAAT 969
DB 961 TGAAGAAAT 969
RESULT 3
ABK33634
ID ABK33634 standard; cDNA; 983 BP.
XX AC ABK33634;
XX DT 08-MAY-2002 (first entry)
XX cDNA encoding human PRO protein, Seq ID No 237.
DE Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha; gene; ss.
OS Homo sapiens.
XX WO200208288-A2.
XX 31-JAN-2002.
XX 29-JUN-2001; 2001WO-US21066.
XX 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220585P.
PR 25-JUL-2000; 2000US-220603P.
PR 25-JUL-2000; 2000US-220607P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220638P.
PR 25-JUL-2000; 2000US-220664P.
PR 25-JUL-2000; 2000US-220666P.
PR 26-JUL-2000; 2000US-220893P.
PR 28-JUL-2000; 2000WO-US20710.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 15-SEP-2000; 2000US-000000P.
PR 10-NOV-2000; 2000WO-US30873.
PR 28-NOV-2000; 2000US-253646P.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000US-0747259.

PR 20-DEC-2000; 2000WO-US34956.
PR 28-FEB-2001; 2001WO-US06520.
PR 10-MAY-2001; 2001US-0854280.
PR 25-MAY-2001; 2001WO-US17092.
XX
PA (GETH) GENENTECH INC.
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
XX WP1: 2002-172001/22.
DR P-PSDB; AAU83710.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumours
PT such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal
PT tumour or liver tumour.
XX
XX Claim 2; Figure 237; 359pp; English.
PS
XX The invention relates to one hundred and twenty two nucleic acids
XX encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumours, especially lung
CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. ABK33536-ABK33657 represent human
CC PRO protein coding sequences of the invention.
XX
XX Sequence 983 BP; 263 A; 212 C; 245 G; 263 T; 0 other;

Query Match 99.9%; Score 969; DB 24; Length 983;
Best Local Similarity 100.0%; Pred. No. 2.6e-295;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGATGACGACAGAGGAGCGTGGAGCCGTGGCTGCGCTCTCTCCCTCTCTGGGCG 60
DB 1 GGATGACGACAGAGGAGCGTGGAGCCGTGGCTGCGCTCTCTCCCTCTCTGGGCG 60
QY 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCTTGGAGATTCTGTCAGATGCCCATG 120
DB 61 TCCTGTTCTTCCAGGGTGTATATCGTCTTTTCTTGGAGATTCTGTCAGATGCCCATG 120
QY 121 TCCGAGGTTATGTTGGAGAAAGATCAAGTTGAAATGCACATTTCAAGTCAACTTCAGATG 180
DB 121 TCCGAGGTTATGTTGGAGAAAGATCAAGTTGAAATGCACATTTCAAGTCAACTTCAGATG 180
QY 181 TCACTGACAGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
DB 181 TCACTGACAGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
QY 241 CAATATTTTCAATATCAGTCTTCCAGTACCAACACAGCAGGCACATTTCCGGATCGGA 300
DB 241 CAATATTTTCAATATCAGTCTTCCAGTACCAACACAGCAGGCACATTTCCGGATCGGA 300
QY 301 TTTCTCTGGGTTGGAATGTATACAAAGGGGATGCATCTATATAAGTATAAGCAACCCCTACCA 360
DB 301 TTTCTCTGGGTTGGAATGTATACAAAGGGGATGCATCTATATAAGTATAAGCAACCCCTACCA 360
QY 361 TAAAGGCAATGGACATTCAGCTGTCTGTGAAGAAATCCCCAGATGTGCACCAATAA 420
DB 361 TAAAGGCAATGGACATTCAGCTGTCTGTGAAGAAATCCCCAGATGTGCACCAATAA 420
QY 421 TTTCCCATGACAGAGCTTAACAGTACAGAAAGGGGTTTGGCACCAGCTTCTCTCTGTGG 480
DB 421 TTTCCCATGACAGAGCTTAACAGTACAGAAAGGGGTTTGGCACCAGCTTCTCTCTGTGG 480

DB 421 TTTCCCATGACAGAGCTTAACAGTACAGAAAGGGGTTTGGCACCAGCTTCTCTCTGTGG 480
QY 481 CCCTTCTTCCATCCCTTGTCTTGTGCCCCTCAGCCGTTGGTGTCTCTCTCTCTGTCTGTA 540
DB 481 CCCTTCTTCCATCCCTTGTCTTGTGCCCCTCAGCCGTTGGTGTCTCTCTCTCTGTCTGTA 540
QY 541 GAATGGGAGGAAGGCTGCTGGGCTGAAGAGAGGAGCAGGCTTGGCTATATAAGAAATCAT 600
DB 541 GAATGGGAGGAAGGCTGCTGGGCTGAAGAGAGGAGCAGGCTTGGCTATATAAGAAATCAT 600
QY 601 CTATTGAGGTTTCCGATCACACTGATCAGAGGAGGAGAGGCTGTATATGGCAGGCTTT 660
DB 601 CTATTGAGGTTTCCGATCACACTGATCAGAGGAGGAGAGGCTGTATATGGCAGGCTTT 660
QY 661 GTGTCCCTTCCGCTGAGTCTGATTCAGACTATGAAGAGACATATTTGATGAAGCTGTG 720
DB 661 GTGTCCCTTCCGCTGAGTCTGATTCAGACTATGAAGAGACATATTTGATGAAGCTGTG 720
QY 721 TATGACACAAGAGAGTCACTTAAAGACAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780
DB 721 TATGACACAAGAGAGTCACTTAAAGACAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780
QY 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGCCATAGCCATCTCGAGATCATCAG 840
DB 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGCCATAGCCATCTCGAGATCATCAG 840
QY 841 TAAAGACTTTAGGAACCACTTATTTATTGAATAAATGTTCTTGTGTATTTATAAAGCTG 900
DB 841 TAAAGACTTTAGGAACCACTTATTTATTGAATAAATGTTCTTGTGTATTTATAAAGCTG 900
QY 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTTCATGAATTAATGCTTAATTTGAA 960
DB 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTTCATGAATTAATGCTTAATTTGAA 960
QY 961 TGAAGAAAT 969
DB 961 TGAAGAAAT 969
RESULT 4
AAS28785
ID AAS28785 standard; cDNA; 4047 BP.
XX AAS28785;
AC XX
XX XX
DT 07-NOV-2001 (first entry)
XX Human immunoglobulin encoding cDNA SEQ ID No 31.
DE Immunoqlobulin; primer; signal transduction pathway protein; cancer; ss;
XX antisense therapy; gene therapy; neurological disorder; renal disorder;
KW cardiovascular disorder; gastrointestinal disorder; pulmonary disorder;
KW reproductive disorder; immune system disorder; proliferative disorder;
KW muscular disorder.
XX Homo sapiens.
OS WO200155315-A2.
PN XX
XX 02-AUG-2001.
PD XX
XX 17-JAN-2001; 2001WO-US01326.
PF XX
XX 31-JAN-2000; 2000US-0179065.
PR 04-FEB-2000; 2000US-0180628.
PR 24-FEB-2000; 2000US-0184664.
PR 02-MAR-2000; 2000US-0186350.
PR 16-MAR-2000; 2000US-0189874.
PR 17-MAR-2000; 2000US-0190076.
PR 18-APR-2000; 2000US-0198123.
PR 19-MAY-2000; 2000US-0205515.
PR 07-JUN-2000; 2000US-0209467.
PR 28-JUN-2000; 2000US-0214886.

PR 30-JUN-2000; 2000US-0215135.
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 PR 07-JUL-2000; 2000US-0216880.
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 PR 11-JUL-2000; 2000US-0217496.
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 PR 06-SEP-2000; 2000US-0230438.
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 PR 08-SEP-2000; 2000US-0231414.
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 PR 14-SEP-2000; 2000US-0233064.
 PR 21-SEP-2000; 2000US-0233065.
 PR 21-SEP-2000; 2000US-0234223.
 PR 21-SEP-2000; 2000US-0234274.
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 PR 27-SEP-2000; 2000US-0235834.
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 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
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 PR 20-OCT-2000; 2000US-0241786.
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 PR 20-OCT-2000; 2000US-0241808.
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 PR 01-DEC-2000; 2000US-0250391.
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 PR 05-DEC-2000; 2000US-0251988.
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 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251869.
 PR 08-DEC-2000; 2000US-0251989.
 PR 11-DEC-2000; 2000US-0251990.
 PR 11-DEC-2000; 2000US-0254097.
 PR 05-JAN-2001; 2001US-0259678.
 (HUMA-) HUMAN GENOME SCI INC.
 Rosen CA, Barash SC, Ruben SM;
 WPI; 2001-457725/49.
 P-PSDB; AAU17997.
 Isolated novel immunoglobulin polypeptide for monitoring the presence
 and progression of diseases and for diagnosis -
 Claim 1; SEQ ID No 31; 551pp; English.
 Sequences AAS28765-AAS28877 represent cDNA molecules, which encode the
 immunoglobulin polypeptides of the invention, and primers for the
 polynucleotides. The polynucleotides and polypeptides can be used to
 diagnose a pathological condition or a susceptibility to a pathological
 condition in a subject by determining the presence or absence of a
 mutation in a DNA sequence or determining the presence or amount of
 expression of the protein. Alternatively the identification of a binding

PR 08-SEP-2000; 2000US-231414P.
PR 08-SEP-2000; 2000US-232080P.
PR 08-SEP-2000; 2000US-232081P.
PR 12-SEP-2000; 2000US-232081P.
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PR 14-SEP-2000; 2000US-232399P.
PR 14-SEP-2000; 2000US-232400P.
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PR 21-SEP-2000; 2000US-234223P.
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PR 25-SEP-2000; 2000US-234998P.
PR 26-SEP-2000; 2000US-235484P.
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PR 27-SEP-2000; 2000US-235836P.
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PR 13-OCT-2000; 2000US-239935P.
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PR 20-OCT-2000; 2000US-241809P.
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PR 08-NOV-2000; 2000US-246476P.
PR 08-NOV-2000; 2000US-246477P.
PR 08-NOV-2000; 2000US-246478P.
PR 08-NOV-2000; 2000US-246523P.
PR 08-NOV-2000; 2000US-246524P.
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PR 08-NOV-2000; 2000US-246532P.
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PR 17-NOV-2000; 2000US-249299P.
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PR 01-DEC-2000; 2000US-250160P.
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PR 05-DEC-2000; 2000US-251030P.
PR 05-DEC-2000; 2000US-251988P.
PR 05-DEC-2000; 2000US-256719P.
PR 06-DEC-2000; 2000US-251479P.
PR 08-DEC-2000; 2000US-251856P.
PR 08-DEC-2000; 2000US-251868P.
PR 08-DEC-2000; 2000US-251869P.
PR 08-DEC-2000; 2000US-251989P.
PR 08-DEC-2000; 2000US-251990P.
PR 11-DEC-2000; 2000US-254097P.
PR 05-JAN-2001; 2001US-259678P.
XX (HUMA-) HUMAN GENOME SCI INC.
PA Rosen CA, Barash SC, Ruben SM;
PI WPI: 2001-476161/51.
XX P-PSDB; ABB10323.
DR
XX
PT Isolated nucleic acid molecule encoding an inflammation-associated
PT polypeptide is used in preventing, treating or ameliorating a medical
PT condition
XX Claim 1; SEQ ID NO: 211; 859pp + Sequence Listing: English.
XX The present invention provides human cDNAs, proteins and related genomic
XX DNAs. These can be used in the treatment of neural, immune system,
CC muscular, reproductive, gastrointestinal, pulmonary, cardiovascular,
CC renal and proliferative disorders and inflammation. The present sequence
CC is a cDNA of the invention.
XX
SQ Sequence 3802 BP; 1011 A; 721 C; 803 G; 1267 T; 0 other;

Query Match 83.0%; Score 805.2; DB 22; Length 3802;
Best Local Similarity 99.6%; Pred. No. 3.4e-243;
Matches 807; Conservative 0; Mismatches 3; Indels 0; Gaps- 0;
Qy 160 CTTTCAAGTCAACTTCAGATGTCACCTGACAACTTACTATAGACTGGACATATCGCCCTC 219
Db 2 CTTTCAAGTCAACTTCAGATGTCACCTGACAACTTACTATAGACTGGACATATCGCCCTC 61
Qy 220 CCAGCAGCAGCCACACAGTATCAATATTCATTATCAGTCTTTCAGTACCAACCCACAG 279
Db 62 CCAGCAGCAGCCACACAGTATCAATATTCATTATCAGTCTTTCAGTACCAACCCACAG 121
Qy 280 CAGGCACATTTCCGGGATCGGATTTCCCTGGGTTGGAATGTTATACAAAGGGATGCACTA 339
Db 122 CAGGCACATTTCCGGGATCGGATTTCCCTGGGTTGGAATGTTATACAAAGGGATGCACTA 181
Qy 340 TAAGTATAAGCAACCCCTACCATTAAGGACAAATGGGACATTCAGCTGTGCTGTGAAGAATC 399
Db 182 TAAGTATAAGCAACCCCTACCATTAAGGACAAATGGGACATTCAGCTGTGCTGTGAAGAATC 241
Qy 400 CCCAGATGTCACCAATAATATTCATGACAGAGCTTCCCATGACAGAGCTTCCCATGACAGAG 459
Db 242 CCCAGATGTCACCAATAATATTCATGACAGAGCTTCCCATGACAGAGCTTCCCATGACAGAG 301
Qy 460 GCACCATGCTTCTCTGTGCGCCCTTCTTCCATCCTTGTCTGTGCGCCCTCAGCCGTTGG 519
Db 302 GCACCATGCTTCTCTGTGCGCCCTTCTTCCATCCTTGTCTGTGCGCCCTCAGCCGTTGG 361
Qy 520 TGGTTGCTCTGCTGCTGAGAAATGGGGAGAGGCTGCTGGCTGAGAGAGAGAGCA 579
Db 362 TGGTTGCTCTGCTGCTGAGAAATGGGGAGAGGCTGCTGGCTGAGAGAGAGAGCA 421
Qy 580 GGTCTGGCTATAAGAAAGTCACTATTGAGGTTTCCGATGACACTGATCAGAGGAGGAAG 639
Db 422 GGTCTGGCTATAAGAAAGTCACTATTGAGGTTTCCGATGACACTGATCAGAGGAGGAAG 481

QY 640 AGCGTCTATGGCGAGCGCTTTGTGTCCTGCGCTGAGTGCCTGGATTGAGACTATGAAG 699
DB 482 AGCGGTGTATGGCGAGCGCTTTGTGTCCTGCGCTGAGTGCCTGGATTGAGACTATGAAG 541
QY 700 AGACATATTGATCAAAAGCTCTGTATGACACAAAGAGAGTCACTAAAGACAGGAAACATCC 759
DB 542 AGACATATTGATCAAAAGCTCTGTATGACACAAAGAGAGTCACTAAAGACAGGAAACATCC 601
QY 760 CATTCCACTGGCAGCTAAAGCCCTGTCAGAGAAAGTGGAGCTGGCCTGGACCATAGCGATG 819
DB 602 CATTCCACTGGCAGCTAAAGCCCTGTCAGAGAAAGTGGAGCTGGCCTGGACCATAGCGATG 661
QY 820 GACAATCCTCGAGATCATACATCAAGACTTTAGAACCACTTATTTATTTGAATAATGTT 879
DB 662 GACAATCCTCGAGATCATACATCAAGACTTTAGAACCACTTATTTATTTGAATAATGTT 721
QY 880 CTGTGTTGTTATTTATAAAGCTTTCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTCA 939
DB 722 CTGTGTTGTTATTTATAAAGCTTTCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTCA 781
940 ATGAATTATGCTGTAATTGAATGAAGAAAT 969
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RESULT 6
ID ABA06727 standard; cDNA; 836 BP.
AC ABA06727;
DT
TX
DE
DE
KW Human; gene therapy; neural disorder; immune system disorder;
KW muscular disorder; reproductive disorder; gastrointestinal disorder;
KW pulmonary disorder; cardiovascular disorder; renal disorder;
KW proliferative disorder; inflammation; ss.
OS Homo sapiens.
PN WO200154474-A2.
PD 02-AUG-2001.
XX 17-JAN-2001; 2001WO-US01349.
PF 31-JAN-2000; 2000US-179065P.
-R 04-FEB-2000; 2000US-180628P.
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PR 02-MAR-2000; 2000US-186350P.
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PR 14-AUG-2000; 2000US-225266P.
PR 14-AUG-2000; 2000US-225267P.
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PR 30-AUG-2000; 2000US-227009P.
PR 30-AUG-2000; 2000US-228924P.
PR 01-SEP-2000; 2000US-229287P.
PR 01-SEP-2000; 2000US-229343P.
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PR 14-SEP-2000; 2000US-232401P.
PR 14-SEP-2000; 2000US-233063P.
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PR 02-OCT-2000; 2000US-0237039.
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PR 20-OCT-2000; 2000US-0241826.
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PR 05-JAN-2001; 2001US-0259678.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Barash SC, Ruben SM;
PI WPI; 2001-457725/49.
DR P-PSDB; AAU18059.
XX
XX Isolated novel immunoglobulin polypeptide for monitoring the presence
PT and progression of diseases and for diagnosis -
PT
XX
PS Claim 1; SEQ ID No 93; 551pp; English.
XX
XX Sequences AAS28765-AAS28877 represent cDNA molecules, which encode the
CC immunoglobulin polypeptides of the invention, and primers for the

PR	11-JUN-1998;	98US-0088861.
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PR	12-JUN-1998;	98US-0089105.
PR	16-JUN-1998;	98US-0089440.
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PR	18-JUN-1998;	98US-0089801.
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PR	18-JUN-1998;	98US-0089947.
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PR	19-JUN-1998;	98US-0089952.
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PR	24-JUN-1998;	98US-0090445.
PR	24-JUN-1998;	98US-0090471.
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PR	25-JUN-1998;	98US-0090690.
PR	25-JUN-1998;	98US-0090691.
PR	25-JUN-1998;	98US-0090694.
PR	25-JUN-1998;	98US-0090695.
PR	25-JUN-1998;	98US-0090696.
PR	26-JUN-1998;	98US-0090862.
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PR	01-JUL-1998;	98US-0091358.
PR	01-JUL-1998;	98US-0091360.
PR	01-JUL-1998;	98US-0091544.
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PR	02-JUL-1998;	98US-0091486.
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PR	17-AUG-1998;	98US-0096791.
PR	17-AUG-1998;	98US-0096867.
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PR	31-AUG-1998;	98US-0098525.
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PR	12-JAN-1999;	99US-0115565.
XX	(GETH) GENENTECH INC.	
PA	Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;	
XX	Wood WI, Yuan J;	
PI		
XX		
XX		
DR	WPI: 2000-072883/06.	
DR	P-PSDB: AAY66752.	
XX		
PT	Membrane-bound proteins and related nucleotide sequences	
XX	Claim 2; Fig 279; 822pp; English.	
PS		
XX		
CC	The invention provides membrane-bound PRO polypeptides and	
CC	polynucleotides encoding them. The PRO sequences of the invention were	
CC	identified based on extracellular domain homology screening. The PRO	
CC	sequences have homology with proteins including LDL receptors, TIE	
CC	ligands and various enzymes. The membrane-bound proteins and receptor	
CC	molecules are useful as pharmaceutical and diagnostic agents. Receptor	
CC	immunoadhesins, for instance, can be used as therapeutic agents to block	
CC	receptor-ligand interactions. The membrane-bound proteins can also be	
CC	employed for screening of potential peptide or small molecule inhibitors	
CC	of the relevant receptor/ligand interaction. The PRO encoding sequences	
CC	are useful as hybridization probes, in chromosome and gene mapping and in	
CC	the generation of antisense RNA and DNA. PRO nucleic acid sequences	
CC	will also be useful for the preparation of PRO polypeptides, especially	
CC	by recombinant techniques.	
XX		
SQ	Sequence 1371 BP; 342 A; 315 C; 298 G; 416 T; 0 other;	
	Query Match 6.9%; Score 67.4; DB 21; Length 1371;	
	Best Local Similarity 53.6%; Pred. No. 2.5e-10;	
	Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;	
OY	149 GTTGAATGCACCTTTCACAGTCTCAGATCTCAGTCTCAGAGCTTACTATAGATGGAC	208
DB	252 GTTAAATGCACCTTTCACAGTCTTTCAGCTTGGGTGATGCTTAAACAGTGCACCTGGAA	311
OY	209 ATATCGCCUTCCCAGCAGCAGCACAGTATCAATATTTTATTATTCAGTCTTTCCAGTA	268

Db 312 TTTTCGCTCTAGACGGGACCTTGGATTTGTTACTTACACATAGATCCCTT 371
 Oy 269 CCCAACACACAGGACATTTCCGGATTCGGATTTCTTGGGTTGAAATGTATACAAAGG 328
 Db 372 CCAACCCATGATGGCGGTTTAAAGACCGGGTCTTGGGATGGGATCTTGACCGGTA 431
 Oy 329 GGATGCATCTATAGTATAAGCAACCCCTTACCATAAGGACANTGGGACATTCAGCTGTGC 388
 Db 432 CGATGCTTCCATCTCTCTGGAACCTTCCAGTTCCGACACAATGGGACATACACCTGCCA 491
 Oy 389 TGTGAAGAATCCCCAGATGT 409
 Db 492 GGTGAAGAACCCACCTGATGT 512
 RESULT 14
 AAS21487
 ID AAS21487 standard; cDNA; 1371 BP.
 X
 AAS21487;
 A
 DT 24-OCT-2001 (first entry)
 XX Human cDNA sequence encoding for PRO1192 polypeptide.
 DE Human secretory and transmembrane; PRO: mammalian; cancer; lung;
 XX breast; prostate; cervical; tumour necrosis factor-alpha; TNF-alpha;
 KW cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle;
 KW adipocyte; A-peptide; factor VIIA; gene therapy; ss.
 XX
 OS Homo sapiens.
 XX
 PN W0200140466-A2.
 XX
 PD 07-JUN-2001.
 XX
 PF 01-DEC-2000; 2000WO-US32678.
 XX
 PR 01-DEC-1999; 99WO-US28301.
 PR 01-DEC-1999; 99WO-US28634.
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 PR 10-NOV-2000; 2000WO-US30873.
 XX
 PA (GETH) GENENTECH INC.
 XX
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX

DR WP1: 2001-408281/43.
 DR P-PSDB; AAU12415.
 XX
 PT Isolated, secretory and transmembrane PRO polypeptide used to detect
 PT other PRO polypeptides, link bioactive molecules to cells expressing
 PT PRO polypeptides, and detect the presence of mammalian tumours e.g.
 PT lung, breast, prostate, cervical
 XX
 PS Claim 3; Fig 487; 813pp; English.
 XX
 CC AAS21244-AAS21518 encode for novel human secretory and transmembrane
 CC PRO polypeptides. The PRO polypeptides are useful to detect other
 CC PRO polypeptides, to link bioactive molecules to cells expressing
 CC PRO polypeptides, to modulate biological activities of cells expressing
 CC PRO polypeptides, and to detect the presence of mammalian lung, colon,
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
 CC polypeptide expression in a cell sample to that in a control sample.
 CC Some of the 275 sequences are also useful to stimulate the release of
 CC tumour necrosis factor-alpha (TNF-alpha) from human blood, the
 CC proliferation or differentiation of chondrocytes, the proliferation or
 CC gene expression in pericyte cells, the release of proteoglycans from
 CC cartilage, the proliferation of inner ear utricular supporting cells or
 CC of T-lymphocytes, the release of a cytokine from peripheral blood
 CC monocytes (PBMCs), or the proliferation of endothelial cells. Some of
 CC the PRO polypeptides may modulate glucose or free fatty acid uptake by
 CC skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide
 CC to factor VIIA. The PRO polypeptides can be used in assays to identify
 CC molecules involved in binding interactions. The polynucleotides encoding
 CC PRO polypeptides can be used to generate probes, antisense RNA/DNA,
 CC transgenic or knock out animals and can be used in gene therapy.
 XX
 SQ Sequence 1371 BP; 342 A; 315 C; 298 G; 416 T; 0 other;
 Query Match 6.9%; Score 67.4; DB 22; Length 1371;
 Best Local Similarity 53.6%; Pred. No. 2.5e-10;
 Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;
 Oy 149 GTTGAATGCATTTTCAAGTCACTTCACTGATGTCACAGCTTACTATAGATGGAC 208
 Db 252 GTTAAATGCATTTTCTCCAGCTTGTGCGCTTGGTGGTCTTAACACTGACCTGGAA 311
 Oy 209 ATATCGCCCTCCAGCAGGACGACACAGATATCAATATTTTCATTTATTCAGTA 268
 Db 312 TTTTCGCTCTAGACGGGACCTTGGGATGGGATCTTGACCGGTA 371
 Oy 269 CCCAACACACAGGACATTTTCCGGATTCGGATTTCTTGGGTTGAAATGTATACAAAGG 328
 Db 372 CCAACCCATGATGGCGGTTTAAAGACCGGGTCTTGGGATGGGATCTTGACCGGTA 431
 Oy 329 GGATGCATCTATAGTATAAGCAACCCCTTACCATAAGGACANTGGGACATTCAGCTGTGC 388
 Db 432 CGATGCTTCCATCTCTCTGGAACCTTCCAGTTCCGACACAATGGGACATACACCTGCCA 491
 Oy 389 TGTGAAGAATCCCCAGATGT 409
 Db 492 GGTGAAGAACCCACCTGATGT 512
 RESULT 15
 AAF44244
 ID AAF44244 standard; cDNA; 1371 BP.
 XX
 AC AAF44244;
 XX
 DT 02-APR-2001 (first entry)
 XX
 DE Human PRO1192 (UNQ606) nucleotide sequence SEQ ID NO:388.
 KW Human; secreted and transmembrane protein; PRO; cytosolic;
 KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
 KW diagnostic assay; ss.
 XX
 OS Homo sapiens.

